# Sarah Otto

List of Publications by Year
in descending order

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|---|---|---|---|
| 184 papers | 19,830 citations | 15503 65 h-index | 14208 128 g-index |
| 205 all docs | 205 docs citations | 205 times ranked | 19307 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Fixation and effective size in a haploidâ€“diploid population with asexual reproduction. Theoretical Population Biology, 2022, 143, 30-45. | 1.1 | 3 |
| 2 | The need for linked genomic surveillance of SARS-CoV-2. Canada Communicable Disease Report, 2022, 48, 131-139. | 1.3 | 13 |
| 3 | 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 |
| 4 | Selective Interference and the Evolution of Sex. Journal of Heredity, 2021, 112, 9-18. | 2.4 | 37 |
| 5 | 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 |
| 6 | Evolution of plasticity in production and transgenerational inheritance of small RNAs under dynamic environmental conditions. PLoS Genetics, 2021, 17, e1009581. | 3.5 | 8 |
| 7 | 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 |
| 8 | 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 |
| 9 | TRY plant trait database â€“ enhanced coverage and open access. Global Change Biology, 2020, 26, 119-188. | 9.5 | 1,038 |
| 10 | 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 |
| 11 | On the evolutionary epidemiology of SARS-CoV-2. Current Biology, 2020, 30, R849-R857. | 3.9 | 160 |
| 12 | 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 |
| 13 | Genetic Paths to Evolutionary Rescue and the Distribution of Fitness Effects Along Them. Genetics, 2020, 214, 493-510. | 2.9 | 17 |
| 14 | Crossover Interference: Shedding Light on the Evolution of Recombination. Annual Review of Genetics, 2019, 53, 19-44. | 7.6 | 74 |
| 15 | 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 |
| 16 | Evolutionary potential for genomic islands of sexual divergence on recombining sex chromosomes. New Phytologist, 2019, 224, 1241-1251. | 7.3 | 13 |
| 17 | â€œAny news?â€•Special issue in honor of Marcus Feldmanâ€™s 75th birthday. Theoretical Population Biology, 2019, 129, 1-3. | 1.1 | 1 |
| 18 | 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 |

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|---|---|---|---|
| 19 | 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 |
| 20 | National contributions to global ecosystem values. Conservation Biology, 2019, 33, 1219-1223. | 4.7 | 9 |
| 21 | 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 |
| 22 | Macroevolutionary Patterns of Flowering Plant Speciation and Extinction. Annual Review of Plant Biology, 2018, 69, 685-706. | 18.7 | 60 |
| 23 | Keeping Pace with the Red Queen: Identifying the Genetic Basis of Susceptibility to Infectious Disease. Genetics, 2018, 208, 779-789. | 2.9 | 29 |
| 24 | Joint coevolutionaryâ€“epidemiological models dampen Red Queen cycles and alter conditions for epidemics. Theoretical Population Biology, 2018, 122, 137-148. | 1.1 | 22 |
| 25 | Evolution: Zeroing In on the Rate of Genome Doubling. Current Biology, 2018, 28, R320-R322. | 3.9 | 1 |
| 26 | Adaptation, speciation and extinction in the Anthropocene. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20182047. | 2.6 | 121 |
| 27 | 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 |
| 28 | Haploid selection, sex ratio bias, and transitions between sex-determining systems. PLoS Biology, 2018, 16, e2005609. | 5.6 | 31 |
| 29 | The Evolutionary Consequences of Selection at the Haploid Gametic Stage. American Naturalist, 2018, 192, 241-249. | 2.1 | 58 |
| 30 | Macroevolutionary synthesis of flowering plant sexual systems. Evolution; International Journal of Organic Evolution, 2017, 71, 898-912. | 2.3 | 68 |
| 31 | When Predators Help Prey Adapt and Persist in a Changing Environment. American Naturalist, 2017, 190, 83-98. | 2.1 | 52 |
| 32 | Asymmetric competition impacts evolutionary rescue in a changing environment. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20170374. | 2.6 | 12 |
| 33 | 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 |
| 34 | Fixation Probability in a Haploid-Diploid Population. Genetics, 2017, 205, 421-440. | 2.9 | 6 |
| 35 | Haploid Selection Favors Suppressed Recombination Between Sex Chromosomes Despite Causing Biased Sex Ratios. Genetics, 2017, 207, 1631-1649. | 2.9 | 20 |
| 36 | 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 |

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|---|---|---|---|
| 37 | Evolution of sex: Using experimental genomics to select among competing theories. BioEssays, 2016, 38, 751-757. | 2.5 | 31 |
| 38 | 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 |
| 39 | Dioecy does not consistently accelerate or slow lineage diversification across multiple genera of angiosperms. New Phytologist, 2016, 209, 1290-1300. | 7.3 | 37 |
| 40 | Probing the Depths of Biological Diversity During the Second Century of GENETICS. Genetics, 2016, 204, 395-400. | 2.9 | 1 |
| 41 | Phylogenetic evidence for cladogenetic polyploidization in land plants. American Journal of Botany, 2016, 103, 1252-1258. | 1.7 | 39 |
| 42 | Multiple reproductive barriers separate recently diverged sunflower ecotypes. Evolution; International Journal of Organic Evolution, 2016, 70, 2322-2335. | 2.3 | 53 |
| 43 | Women in evolution â€“ highlighting the changing face of evolutionary biology. Evolutionary Applications, 2016, 9, 3-16. | 3.1 | 22 |
| 44 | Adaptation to elevated CO2 in different biodiversity contexts. Nature Communications, 2016, 7, 12358. | 12.8 | 33 |
| 45 | Evolutionary dynamics of a quantitative trait in a finite asexual population. Theoretical Population Biology, 2016, 108, 75-88. | 1.1 | 33 |
| 46 | Canada at a crossroad: The imperative for realigning ocean policy with ocean science. Marine Policy, 2016, 63, 53-60. | 3.2 | 28 |
| 47 | 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 |
| 48 | 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 |
| 49 | The evolution of sex chromosomes in organisms with separate haploid sexes. Evolution; International Journal of Organic Evolution, 2015, 69, 694-708. | 2.3 | 37 |
| 50 | 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 |
| 51 | Too Much of a Good Thing: The Unique and Repeated Paths Toward Copper Adaptation. Genetics, 2015, 199, 555-571. | 2.9 | 43 |
| 52 | Y Fuse? Sex Chromosome Fusions in Fishes and Reptiles. PLoS Genetics, 2015, 11, e1005237. | 3.5 | 109 |
| 53 | Fitness-valley crossing with generalized parentâ€“offspring transmission. Theoretical Population Biology, 2015, 105, 1-16. | 1.1 | 0 |
| 54 | Sex Determination: Why So Many Ways of Doing It?. PLoS Biology, 2014, 12, e1001899. | 5.6 | 916 |

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| 55 | Driven Apart: The Evolution of Ploidy Differences between the Sexes under Antagonistic Selection. American Naturalist, 2014, 183, 96-107. | 2.1 | 5 |
| 56 | 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 |
| 57 | Selective maintenance of recombination between the sex chromosomes. Journal of Evolutionary Biology, 2014, 27, 1431-1442. | 1.7 | 23 |
| 58 | The Evolution of Offspring Size across Life-History Stages. American Naturalist, 2014, 184, 543-555. | 2.1 | 27 |
| 59 | Evolutionary Rescue in Structured Populations. American Naturalist, 2014, 183, E17-E35. | 2.1 | 90 |
| 60 | EVOLUTIONARILY STABLE SEX RATIOS AND MUTATION LOAD. Evolution; International Journal of Organic Evolution, 2013, 67, 1915-1925. | 2.3 | 19 |
| 61 | The magnitude of local adaptation under genotypeâ€dependent dispersal. Ecology and Evolution, 2013, 3, 4722-4735. | 1.9 | 80 |
| 62 | Gene-culture co-evolution: teaching, learning, and correlations between relatives. Israel Journal of Ecology and Evolution, 2013, 59, 72-91. | 0.6 | 11 |
| 63 | Sexual selection enables long-term coexistence despite ecological equivalence. Nature, 2012, 484, 506-509. | 27.8 | 85 |
| 64 | Parallel Genetic Changes and Nonparallel Geneâ€“Environment Interactions Characterize the Evolution of Drug Resistance in Yeast. Genetics, 2012, 192, 241-252. | 2.9 | 55 |
| 65 | Gene Functional Trade-Offs and the Evolution of Pleiotropy. Genetics, 2012, 192, 1389-1409. | 2.9 | 64 |
| 66 | Linking the Investigations of Character Evolution and Species Diversification. American Naturalist, 2012, 180, 225-245. | 2.1 | 92 |
| 67 | PLOIDALLY ANTAGONISTIC SELECTION MAINTAINS STABLE GENETIC POLYMORPHISM. Evolution; International Journal of Organic Evolution, 2012, 66, 55-65. | 2.3 | 39 |
| 68 | DIFFERENTIAL SELECTION BETWEEN THE SEXES AND SELECTION FOR SEX. Evolution; International Journal of Organic Evolution, 2012, 66, 558-574. | 2.3 | 21 |
| 69 | FUNCTIONAL PLEIOTROPY AND MATING SYSTEM EVOLUTION IN PLANTS: FREQUENCY-INDEPENDENT MATING. Evolution; International Journal of Organic Evolution, 2012, 66, 957-972. | 2.3 | 14 |
| 70 | 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 |
| 71 | The red queen coupled with directional selection favours the evolution of sex. Journal of Evolutionary Biology, 2012, 25, 797-802. | 1.7 | 22 |
| 72 | Ploidy and the evolution of parasitism. Proceedings of the Royal Society B: Biological Sciences, 2011, 278, 2814-2822. | 2.6 | 13 |

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| 73 | Recently Formed Polyploid Plants Diversify at Lower Rates. Science, 2011, 333, 1257-1257. | 12.6 | 424 |
| 74 | Haploids adapt faster than diploids across a range of environments. Journal of Evolutionary Biology, 2011, 24, 531-540. | 1.7 | 89 |
| 75 | 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 |
| 76 | RECOMBINATION AND HITCHHIKING OF DELETERIOUS ALLELES. Evolution; International Journal of Organic Evolution, 2011, 65, 2421-2434. | 2.3 | 86 |
| 77 | 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 |
| 78 | About PAR: The distinct evolutionary dynamics of the pseudoautosomal region. Trends in Genetics, 2011, 27, 358-367. | 6.7 | 184 |
| 79 | 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 |
| 80 | 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 |
| 81 | The Evolution of Sex Ratio Adjustment in the Presence of Sexually Antagonistic Selection. American Naturalist, 2010, 176, 264-275. | 2.1 | 19 |
| 82 | 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 |
| 83 | The Role of Advantageous Mutations in Enhancing the Evolution of a Recombination Modifier. Genetics, 2010, 184, 1153-1164. | 2.9 | 42 |
| 84 | Aging in a Long-Lived Clonal Tree. PLoS Biology, 2010, 8, e1000454. | 5.6 | 101 |
| 85 | Probabilistic Models of Chromosome Number Evolution and the Inference of Polyploidy. Systematic Biology, 2010, 59, 132-144. | 5.6 | 190 |
| 86 | The Evolutionary Enigma of Sex. American Naturalist, 2009, 174, S1-S14. | 2.1 | 465 |
| 87 | Estimating Trait-Dependent Speciation and Extinction Rates from Incompletely Resolved Phylogenies. Systematic Biology, 2009, 58, 595-611. | 5.6 | 495 |
| 88 | Conditionâ€Ðependent Sex and the Rate of Adaptation. American Naturalist, 2009, 174, S71-S78. | 2.1 | 41 |
| 89 | The role of epistasis on the evolution of recombination in hostâ€“parasite coevolution. Theoretical Population Biology, 2009, 75, 1-13. | 1.1 | 23 |
| 90 | 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 |

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|---|---|---|---|
| 91 | Genetic control of invasive plants species using selfish genetic elements. Evolutionary Applications, 2009, 2, 555-569. | 3.1 | 19 |
| 92 | The impact of epistatic selection on the genomic traces of selection. Molecular Ecology, 2009, 18, 4985-4987. | 3.9 | 6 |
| 93 | EVOLUTION BY FISHERIAN SEXUAL SELECTION IN DIPLOIDS. Evolution; International Journal of Organic Evolution, 2009, 63, 1076-1083. | 2.3 | 12 |
| 94 | Relaxed selection in the wild. Trends in Ecology and Evolution, 2009, 24, 487-496. | 8.7 | 495 |
| 95 | Ploidy and the Causes of Genomic Evolution. Journal of Heredity, 2009, 100, 571-581. | 2.4 | 103 |
| 96 | 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 |
| 97 | When do hostâ€“parasite interactions drive the evolution of nonâ€random mating?. Ecology Letters, 2008, 11, 937-946. | 6.4 | 31 |
| 98 | 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 |
| 99 | The evolution of haploidy and diploidy. Current Biology, 2008, 18, R1121-R1124. | 3.9 | 103 |
| 100 | Ploidy reduction in Saccharomyces cerevisiae. Biology Letters, 2008, 4, 91-94. | 2.3 | 57 |
| 101 | Frequency-Dependent Selection and the Evolution of Assortative Mating. Genetics, 2008, 179, 2091-2112. | 2.9 | 133 |
| 102 | The Dynamic Nature of Apomixis in the Angiosperms. International Journal of Plant Sciences, 2008, 169, 169-182. | 1.3 | 173 |
| 103 | Contrasting Patterns of Transposable-Element Insertion Polymorphism and Nucleotide Diversity in Autotetraploid and Allotetraploid Arabidopsis Species. Genetics, 2008, 179, 581-592. | 2.9 | 29 |
| 104 | Estimating a Binary Character's Effect on Speciation and Extinction. Systematic Biology, 2007, 56, 701-710. | 5.6 | 933 |
| 105 | The Evolution of Condition-Dependent Sex in the Face of High Costs. Genetics, 2007, 176, 1713-1727. | 2.9 | 60 |
| 106 | The Role of Pleiotropy in the Maintenance of Sex in Yeast. Genetics, 2007, 175, 1419-1427. | 2.9 | 20 |
| 107 | Mitotic recombination counteracts the benefits of genetic segregation. Proceedings of the Royal Society B: Biological Sciences, 2007, 274, 1301-1307. | 2.6 | 70 |
| 108 | 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 |

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| 109 | The Evolution of Sex and Recombination in Response to Abiotic or Coevolutionary Fluctuations in Epistasis. Genetics, 2007, 175, 1835-1853. | 2.9 | 96 |
| 110 | A short history of recombination in yeast. Trends in Ecology and Evolution, 2007, 22, 223-225. | 8.7 | 14 |
| 111 | The Evolutionary Consequences of Polyploidy. Cell, 2007, 131, 452-462. | 28.9 | 950 |
| 112 | Chapter 3: Deriving Classic Models in Ecology and Evolutionary Biology. , 2007, , 54-109. | | 0 |
| 113 | Why have sex? The population genetics of sex and recombination. Biochemical Society Transactions, 2006, 34, 519-522. | 3.4 | 87 |
| 114 | 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 |
| 115 | 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 |
| 116 | Women editors: we need more female scientists. Nature, 2006, 441, 812-812. | 27.8 | 1 |
| 117 | Interference among deleterious mutations favours sex and recombination in finite populations. Nature, 2006, 443, 89-92. | 27.8 | 328 |
| 118 | Hostâ€Parasite Coevolution and Selection on Sex through the Effects of Segregation. American Naturalist, 2006, 168, 617-629. | 2.1 | 30 |
| 119 | The Role of Local Species Abundance in the Evolution of Pollinator Attraction in Flowering Plants. American Naturalist, 2006, 167, 67-80. | 2.1 | 84 |
| 120 | Genomic Convergence toward Diploidy in Saccharomyces cerevisiae. PLoS Genetics, 2006, 2, e145. | 3.5 | 193 |
| 121 | Selection for Recombination in Structured Populations. Genetics, 2006, 172, 593-609. | 2.9 | 89 |
| 122 | Effect of Varying Epistasis on the Evolution of Recombination. Genetics, 2006, 173, 589-597. | 2.9 | 48 |
| 123 | The Distribution of Beneficial Mutant Effects Under Strong Selection. Genetics, 2006, 174, 2071-2079. | 2.9 | 47 |
| 124 | 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 |
| 125 | The first steps in adaptive evolution. Nature Genetics, 2005, 37, 342-343. | 21.4 | 9 |
| 126 | Sexual Selection Can Resolve Sex-Linked Sexual Antagonism. Science, 2005, 310, 119-121. | 12.6 | 127 |

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| 127 | The Evolution of Plastic Recombination. Genetics, 2005, 171, 803-812. | 2.9 | 63 |
| 128 | Evolution of Recombination Due to Random Drift. Genetics, 2005, 169, 2353-2370. | 2.9 | 169 |
| 129 | Hostâ€“Parasite Interactions and the Evolution of Gene Expression. PLoS Biology, 2005, 3, e203. | 5.6 | 33 |
| 130 | Species Interactions and the Evolution of Sex. Science, 2004, 304, 1018-1020. | 12.6 | 223 |
| 131 | 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 |
| 132 | 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 |
| 133 | Liberating genetic variance through sex. BioEssays, 2003, 25, 533-537. | 2.5 | 18 |
| 134 | Phylogenetic analysis of the ecological correlates of dioecy in angiosperms. Journal of Evolutionary Biology, 2003, 16, 1006-1018. | 1.7 | 163 |
| 135 | THE EVOLUTION OF GENOMIC BASE COMPOSITION IN BACTERIA. Evolution; International Journal of Organic Evolution, 2003, 57, 1783-1792. | 2.3 | 25 |
| 136 | In polyploids, one plus one does not equal two. Trends in Ecology and Evolution, 2003, 18, 431-433. | 8.7 | 25 |
| 137 | THE EVOLUTION OF GENOMIC BASE COMPOSITION IN BACTERIA. Evolution; International Journal of Organic Evolution, 2003, 57, 1783. | 2.3 | 8 |
| 138 | The Advantages of Segregation and the Evolution of Sex. Genetics, 2003, 164, 1099-1118. | 2.9 | 74 |
| 139 | Segregation and the Evolution of Sex Under Overdominant Selection. Genetics, 2003, 164, 1119-1128. | 2.9 | 19 |
| 140 | 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 |
| 141 | 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 |
| 142 | 16 The evolution of gene duplicates. Advances in Genetics, 2002, 46, 451-483. | 1.8 | 131 |
| 143 | Genomes and evolution Population genetics and molecular evolution of whole genomes. Current Opinion in Genetics and Development, 2002, 12, 631-633. | 3.3 | 1 |
| 144 | Evolving beyond point mutations. Trends in Ecology and Evolution, 2002, 17, 110. | 8.7 | 1 |

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| 145 | Resolving the paradox of sex and recombination. Nature Reviews Genetics, 2002, 3, 252-261. | 16.3 | 679 |
| 146 | Eliminating the cost of sex with sexual selection. Trends in Ecology and Evolution, 2001, 16, 602. | 8.7 | 1 |
| 147 | Masking and purging mutations following EMS treatment in haploid, diploid and tetraploid yeast (Saccharomyces cerevisiae). Genetical Research, 2001, 77, 9-26. | 0.9 | 80 |
| 148 | SELECTION FOR RECOMBINATION IN SMALL POPULATIONS. Evolution; International Journal of Organic Evolution, 2001, 55, 1921-1931. | 2.3 | 208 |
| 149 | SELECTION FOR RECOMBINATION IN SMALL POPULATIONS. Evolution; International Journal of Organic Evolution, 2001, 55, 1921. | 2.3 | 62 |
| 150 | THE CONSEQUENCES OF DIOECY FOR SEED DISPERSAL: MODELING THE SEED-SHADOW HANDICAP. Evolution; International Journal of Organic Evolution, 2001, 55, 880. | 2.3 | 101 |
| 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 | EVOLUTION: Haploids-Hapless or Happening?. Science, 2001, 292, 2441-2443. | 12.6 | 40 |
| 153 | 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 |
| 154 | Detecting the form of selection from DNA sequence data. Trends in Genetics, 2000, 16, 526-529. | 6.7 | 96 |
| 155 | POLYPLOID INCIDENCE AND EVOLUTION. Annual Review of Genetics, 2000, 34, 401-437. | 7.6 | 2,008 |
| 156 | COMPENSATING FOR OUR LOAD OF MUTATIONS: FREEZING THE MELTDOWN OF SMALL POPULATIONS. Evolution; International Journal of Organic Evolution, 2000, 54, 1467. | 2.3 | 49 |
| 157 | The Evolution of Recombination in a Heterogeneous Environment. Genetics, 2000, 156, 423-438. | 2.9 | 170 |
| 158 | Detecting the Undetected: Estimating the Total Number of Loci Underlying a Quantitative Trait. Genetics, 2000, 156, 2093-2107. | 2.9 | 144 |
| 159 | Balanced Polymorphisms and the Evolution of Dominance. American Naturalist, 1999, 153, 561-574. | 2.1 | 88 |
| 160 | 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 |
| 161 | Ecology and the Evolution of Biphasic Life Cycles. American Naturalist, 1999, 154, 306-320. | 2.1 | 132 |
| 162 | Genes and Other Samples of DNA Sequence Data for Phylogenetic Inference. Biological Bulletin, 1999, 196, 345-350. | 1.8 | 14 |

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| 163 | Mutation and selection within the individual. Genetica, 1998, 102/103, 507-524. | 1.1 | 90 |
| 164 | The evolution of life cycles with haploid and diploid phases. BioEssays, 1998, 20, 453-462. | 2.5 | 178 |
| 165 | The evolution of recombination in changing environments. Trends in Ecology and Evolution, 1998, 13, 145-151. | 8.7 | 174 |
| 166 | Waiting with and without Recombination: The Time to Production of a Double Mutant. Theoretical Population Biology, 1998, 53, 199-215. | 1.1 | 57 |
| 167 | Deleterious Mutations, Variable Epistatic Interactions, and the Evolution of Recombination. Theoretical Population Biology, 1997, 51, 134-147. | 1.1 | 175 |
| 168 | Unravelling gene interactions. Nature, 1997, 390, 343-343. | 27.8 | 16 |
| 169 | The Probability of Fixation in Populations of Changing Size. Genetics, 1997, 146, 723-733. | 2.9 | 293 |
| 170 | The Evolution of Recombination: Removing the Limits to Natural Selection. Genetics, 1997, 147, 879-906. | 2.9 | 248 |
| 171 | POPULATION GENETIC PERSPECTIVES ON THE EVOLUTION OF RECOMBINATION. Annual Review of Genetics, 1996, 30, 261-295. | 7.6 | 157 |
| 172 | Mating systems and the evolutionary transition between haploidy and diploidy. Biological Journal of the Linnean Society, 1996, 57, 197-218. | 1.6 | 62 |
| 173 | Mating systems and the evolutionary transition between haploidy and diploidy. Biological Journal of the Linnean Society, 1996, 57, 197-218. | 1.6 | 5 |
| 174 | On the evolution of recombination in haploids and diploids: II. Stochastic models. Complexity, 1995, 1, 49-57. | 1.6 | 6 |
| 175 | On the evolution of recombination in haploids and diploids: I. Deterministic models. Complexity, 1995, 1, 57-67. | 1.6 | 9 |
| 176 | Some Advantages and Disadvantages of Recombination. Lecture Notes in Biomathematics, 1994, , 198-211. | 0.3 | 9 |
| 177 | Evolution of Sex Determination in the Conchostracan Shrimp Eulimnadia texana. American Naturalist, 1993, 141, 329-337. | 2.1 | 61 |
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