# Stephen W Schaeffer

List of Publications by Year
in descending order



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|---|---|---|---|
| 58 papers | 5,070 citations | 172207 29 h-index | 155451 55 g-index |
| 64 all docs | 64 docs citations | 64 times ranked | 4993 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | The relevance of chromatin architecture to genome rearrangements in Drosophila. Philosophical Transactions of the Royal Society B: Biological Sciences, 2022, 377, . | 1.8 | 9 |
| 2 | Broad geographic sampling reveals the shared basis and environmental correlates of seasonal adaptation in Drosophila. ELife, 2021, 10, . | 2.8 | 66 |
| 3 | Drosophila Evolution over Space and Time (DEST): A New Population Genomics Resource. Molecular Biology and Evolution, 2021, 38, 5782-5805. | 3.5 | 37 |
| 4 | Extensive Recombination Suppression and Epistatic Selection Causes Chromosome-Wide Differentiation of a Selfish Sex Chromosome in Drosophila pseudoobscura. Genetics, 2020, 216, 205-226. | 1.2 | 17 |
| 5 | How chromosomal rearrangements shape adaptation and speciation: Case studies in Drosophila pseudoobscura and its sibling species Drosophila persimilis. Molecular Ecology, 2019, 28, 1283-1301. | 2.0 | 67 |
| 6 | Muller â€œElementsâ€•inDrosophila: How the Search for the Genetic Basis for Speciation Led to the Birth of Comparative Genomics. Genetics, 2018, 210, 3-13. | 1.2 | 34 |
| 7 | Ancestral polymorphisms explain the role of chromosomal inversions in speciation. PLoS Genetics, 2018, 14, e1007526. | 1.5 | 67 |
| 8 | Evolution of Single-Domain Globins in Hydrothermal Vent Scale-Worms. Journal of Molecular Evolution, 2017, 85, 172-187. | 0.8 | 25 |
| 9 | Genomics of natural populations: Evolutionary forces that establish and maintain gene arrangements in Drosophila pseudoobscura. Molecular Ecology, 2017, 26, 6539-6562. | 2.0 | 37 |
| 10 | Genomics of Natural Populations: How Differentially Expressed Genes Shape the Evolution of Chromosomal Inversions in Drosophila pseudoobscura. Genetics, 2016, 204, 287-301. | 1.2 | 61 |
| 11 | Exemplar or matching: modeling DCJ problems with unequal content genome data. Journal of Combinatorial Optimization, 2016, 32, 1165-1181. | 0.8 | 8 |
| 12 | Investigation of population structure in Gulf of MexicoSeepiophila jonesi(Polychaeta,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302 | 0.9 | 2 |
| 13 | Species Distribution and Population Connectivity of Deep-Sea Mussels at Hydrocarbon Seeps in the Gulf of Mexico. PLoS ONE, 2015, 10, e0118460. | 1.1 | 36 |
| 14 | Selective forces acting during multi-domain protein evolution: the case of multi-domain globins. SpringerPlus, 2015, 4, 354. | 1.2 | 7 |
| 15 | Evidence for Stabilizing Selection on Codon Usage in Chromosomal Rearrangements ofDrosophila pseudoobscura. G3: Genes, Genomes, Genetics, 2014, 4, 2433-2449. | 0.8 | 17 |
| 16 | Depth-dependent gene flow in Gulf of Mexico cold seep Lamellibrachia tubeworms (Annelida,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 142 | 1.0 | 25 |
| 17 | A Lin-Kernighan Heuristic for the DCJ Median Problem of Genomes with Unequal Contents. Lecture Notes in Computer Science, 2014, , 227-238. | 1.0 | 0 |
| 18 | Identification and amplification of microsatellite loci in deep-sea tubeworms of the genus Escarpia (Polychaeta, Siboglinidae). Conservation Genetics Resources, 2013, 5, 479-482. | 0.4 | 4 |

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|---|---|---|---|
| 19 | Restriction to largeâ€scale gene flow vs. regional panmixia among cold seep <scp>E</scp>scarpia spp. (<scp>P</scp>olychaeta, <scp>S</scp>iboglinidae). Molecular Ecology, 2013, 22, 4147-4162. | 2.0 | 26 |
| 20 | Streaming Breakpoint Graph Analytics for Accelerating and Parallelizing the Computation of DCJ Median of Three Genomes. Procedia Computer Science, 2013, 18, 561-570. | 1.2 | 2 |
| 21 | Molecular Population Genetics of Inversion Breakpoint Regions inDrosophila pseudoobscura. G3: Genes, Genomes, Genetics, 2013, 3, 1151-1163. | 0.8 | 16 |
| 22 | Evolutionary History of the Third Chromosome Gene Arrangements of Drosophila pseudoobscura Inferred from Inversion Breakpoints. Molecular Biology and Evolution, 2011, 28, 2219-2229. | 3.5 | 24 |
| 23 | Rec-DCM-Eigen: Reconstructing a Less Parsimonious but More Accurate Tree in Shorter Time. PLoS ONE, 2011, 6, e22483. | 1.1 | 2 |
| 24 | Origin and Evolution of the Unique Tetra-Domain Hemoglobin from the Hydrothermal Vent Scale Worm Branchipolynoe. Molecular Biology and Evolution, 2010, 27, 143-152. | 3.5 | 31 |
| 25 | Adaptive Evolution of Genes Duplicated from the Drosophila pseudoobscura neo-X Chromosome. Molecular Biology and Evolution, 2010, 27, 1963-1978. | 3.5 | 16 |
| 26 | Population structure of two deep sea tubeworms, Lamellibrachia luymesi and Seepiophila jonesi, from the hydrocarbon seeps of the Gulf of Mexico. Deep-Sea Research Part I: Oceanographic Research Papers, 2010, 57, 1499-1509. | 0.6 | 8 |
| 27 | Species boundaries of Gulf of Mexico vestimentiferans (Polychaeta, Siboglinidae) inferred from mitochondrial genes. Deep-Sea Research Part II: Topical Studies in Oceanography, 2010, 57, 1916-1925. | 0.6 | 34 |
| 28 | SELECTION IN HETEROGENEOUS ENVIRONMENTS MAINTAINS THE GENE ARRANGEMENT POLYMORPHISM OFDROSOPHILA PSEUDOOBSCURA. Evolution; International Journal of Organic Evolution, 2008, 62, 3082-3099. | 1.1 | 57 |
| 29 | Chromosomal Rearrangement Inferred From Comparisons of 12 Drosophila Genomes. Genetics, 2008, 179, 1657-1680. | 1.2 | 184 |
| 30 | Polytene Chromosomal Maps of 11 Drosophila Species: The Order of Genomic Scaffolds Inferred From Genetic and Physical Maps. Genetics, 2008, 179, 1601-1655. | 1.2 | 191 |
| 31 | Phylogenomic Resources at the UCSC Genome Browser. Methods in Molecular Biology, 2008, 422, 133-144. | 0.4 | 7 |
| 32 | Divergence Between the Drosophila pseudoobscura and D. persimilis Genome Sequences in Relation to Chromosomal Inversions. Genetics, 2007, 177, 1417-1428. | 1.2 | 97 |
| 33 | Environmental differences in hemoglobin gene expression in the hydrothermal vent tubeworm, Ridgeia piscesae. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2007, 146, 326-337. | 0.7 | 24 |
| 34 | Evolution of genes and genomes on the Drosophila phylogeny. Nature, 2007, 450, 203-218. | 13.7 | 1,886 |
| 35 | Meiotic Transmission of Drosophila pseudoobscura Chromosomal Arrangements. PLoS ONE, 2007, 2, e530. | 1.1 | 6 |
| 36 | Population structure of the mussel â€œBathymodiolusâ€•childressi from Gulf of Mexico hydrocarbon seeps. Deep-Sea Research Part I: Oceanographic Research Papers, 2006, 53, 1061-1072. | 0.6 | 36 |

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|---|---|---|---|
| 37 | The ornithine decarboxylase gene of Trypanosoma brucei: Evidence for horizontal gene transfer from a vertebrate source. Infection, Genetics and Evolution, 2006, 6, 205-219. | 1.0 | 21 |
| 38 | Sulfide binding is mediated by zinc ions discovered in the crystal structure of a hydrothermal vent tubeworm hemoglobin. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 2713-2718. | 3.3 | 109 |
| 39 | Mechanisms of Genetic Exchange Within the Chromosomal Inversions of Drosophila pseudoobscura. Genetics, 2005, 171, 1729-1739. | 1.2 | 66 |
| 40 | Comparative genome sequencing of Drosophila pseudoobscura: Chromosomal, gene, and cis-element evolution. Genome Research, 2005, 15, 1-18. | 2.4 | 453 |
| 41 | Evolutionary Rearrangement of the Amylase Genomic Regions Between Drosophila melanogaster and Drosophila pseudoobscura. , 2003, 94, 464-471. | | 2 |
| 42 | Evolutionary genomics of inversions inDrosophila pseudoobscura: Evidence for epistasis. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 8319-8324. | 3.3 | 108 |
| 43 | Molecular population genetics of sequence length diversity in the Adh region of Drosophila pseudoobscura. Genetical Research, 2002, 80, 163-175. | 0.3 | 70 |
| 44 | Protein Variation in ADH and ADH-RELATED in Drosophila pseudoobscura: Linkage Disequilibrium Between Single Nucleotide Polymorphisms and Protein Alleles. Genetics, 2001, 159, 673-687. | 1.2 | 17 |
| 45 | Tubeworm succession at hydrothermal vents: use of biogenic cues to reduce habitat selection error?. Oecologia, 2000, 123, 275-284. | 0.9 | 103 |
| 46 | Molecular Population Genetics of X-Linked Genes in Drosophila pseudoobscura. Genetics, 2000, 156, 155-172. | 1.2 | 52 |
| 47 | Natural Selection and the Frequency Distributions of â€œSilentâ€•DNA Polymorphism in Drosophila. Genetics, 1997, 146, 295-307. | 1.2 | 188 |
| 48 | Polymorphism and Divergence at a Drosophila Pseudogene Locus. Genetics, 1997, 147, 199-208. | 1.2 | 32 |
| 49 | Molecular Population Genetics of a Phenotypically Monomorphic Protein in Drosophila. The IMA Volumes in Mathematics and Its Applications, 1997, , 133-148. | 0.5 | 0 |
| 50 | S-allele sequence diversity in natural populations of Solanum carolinense (Horsenettle). Heredity, 1995, 75, 405-415. | 1.2 | 109 |
| 51 | Estimates of linkage disequilibrium and the recombination parameter determined from segregating nucleotide sites in the alcohol dehydrogenase region of Drosophila pseudoobscura.. Genetics, 1993, 135, 541-552. | 1.2 | 121 |
| 52 | Molecular evolution of inversions in Drosophila pseudoobscura: the amylase gene region.. Proceedings of the National Academy of Sciences of the United States of America, 1991, 88, 305-309. | 3.3 | 101 |
| 53 | Nucleotide sequence analysis of Adh genes estimates the time of geographic isolation of the Bogota population of Drosophila pseudoobscura.. Proceedings of the National Academy of Sciences of the United States of America, 1991, 88, 6097-6101. | 3.3 | 81 |
| 54 | Restriction-map variation in the Notch region of Drosophila melanogaster.. Molecular Biology and Evolution, 1988, 5, 30-40. | 3.5 | 54 |

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| 55 | Restriction-map variation in the alcohol dehydrogenase region of Drosophila pseudoobscura.. Molecular Biology and Evolution, 1987, 4, 254-65. | 3.5 | 49 |
| 56 | Nucleotide Sequence of the Adh Gene Region of Drosophila pseudoobscura: Evolutionary Change and Evidence for an Ancient Gene Duplication. Genetics, 1987, 117, 61-73. | 1.2 | 115 |
| 57 | A comprehensive package for DNA sequence analysis in FORTRAN IV for the PDP-11. Nucleic Acids Research, 1986, 14, 239-254. | 6.5 | 15 |
| 58 | Population genetics of Melampus bidentatus (Gastropoda: Pulmonata): the effect of planktonic development on gene flow. Genetica, 1985, 66, 223-229. | 0.5 | 8 |