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List of Publications by Year
in descending order

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55 papers	5,840 citations	304368 22 h-index	161609 54 g-index
56 all docs	56 docs citations	56 times ranked	6239 citing authors

#	Article	IF	Citations
1	Evolution of genes and genomes on the Drosophila phylogeny. Nature, 2007, 450, 203-218.	13.7	1,886
2	A Test of Neutral Molecular Evolution Based on Nucleotide Data. Genetics, 1987, 116, 153-159.	1.2	1,666
3	Genome sequences of the human body louse and its primary endosymbiont provide insights into the permanent parasitic lifestyle. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 12168-12173.	3.3	482
4	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
5	Positive Selection Drives the Evolution of the Acp29AB Accessory Gland Protein in Drosophila. Genetics, 1999, 152, 543-551.	1.2	128
6	Nucleotide Sequence Variation at Two Genes of the Phenylpropanoid Pathway, the FAH1 and F3H Genes, in Arabidopsis thaliana. Molecular Biology and Evolution, 2001, 18, 1-9.	3.5	118
7	DNA Variation at the rp49 Gene Region of Drosophila simulans: Evolutionary Inferences From an Unusual Haplotype Structure. Genetics, 2001, 158, 1147-1155.	1.2	116
8	Nucleotide Variation at the CHALCONE ISOMERASE Locus in Arabidopsis thaliana. Genetics, 2000, 155, 863-872.	1.2	107
9	Different Forces Drive the Evolution of the Acp26Aa and Acp26Ab Accessory Gland Genes in the Drosophila melanogaster Species Complex. Genetics, 1998, 150, 1079-1089.	1.2	101
10	Molecular Evolution of the Cecropin Multigene Family in Drosophila: Functional Genes vs. Pseudogenes. Genetics, 1998, 150, 157-171.	1.2	79
11	Network-level molecular evolutionary analysis of the insulin/TOR signal transduction pathway across 12 Drosophila genomes. Genome Research, 2009, 19, 234-242.	2.4	74
12	THE COLONIZATION OF DROSOPHILA SUBOBSCURA IN CHILE. II. CLINES IN THE CHROMOSOMAL ARRANGEMENTS. Evolution; International Journal of Organic Evolution, 1985, 39, 838-844.	1.1	64
13	Detecting the Footprint of Positive Selection in a European Population of Drosophila melanogaster. Genetics, 2004, 167, 1759-1766.	1.2	57
14	Chromosomal Inversion Polymorphism Leads to Extensive Genetic Structure. Genetics, 2005, 169, 1573-1581.	1.2	55
15	Molecular Population Genetics of the rp49 Gene Region in Different Chromosomal Inversions of Drosophila subobscura. Genetics, 1999, 151, 189-202.	1.2	54
16	Molecular and Chromosomal Phylogeny in theObscuraGroup ofDrosophilaInferred from Sequences of therp49Gene Region. Molecular Phylogenetics and Evolution, 1998, 9, 33-41.	1.2	52
17	Differentiation of Muller's Chromosomal Elements D and E in the Obscura Group of Drosophila. Genetics, 1996, 144, 139-146.	1.2	50
18	P1 clones from Drosophila melanogaster as markers to study the chromosomal evolution of Muller's A element in two species of the obscura group of Drosophila. Chromosoma, 1995, 104, 129-136.	1.0	49

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19	Comparative Genomics of the Vertebrate Insulin/TOR Signal Transduction Pathway: A Network-Level Analysis of Selective Pressures. Genome Biology and Evolution, 2011, 3, 87-101.	1.1	40
20	CLINES OF CHROMOSOMAL ARRANGEMENTS OFDROSOPHILA SUBOBSCURAIN SOUTH AMERICA EVOLVE CLOSER TO OLD WORLD PATTERNS. Evolution; International Journal of Organic Evolution, 1990, 44, 218-221.	1.1	32
21	Nucleotide and Copy-Number Polymorphism at the Odorant Receptor Genes Or22a and Or22b in Drosophila melanogaster. Molecular Biology and Evolution, 2009, 26, 61-70.	3.5	30
22	Characterization of the Breakpoints of a Polymorphic Inversion Complex Detects Strict and Broad Breakpoint Reuse at the Molecular Level. Molecular Biology and Evolution, 2014, 31, 2331-2341.	3.5	28
23	Multiple and diverse structural changes affect the breakpoint regions of polymorphic inversions across the Drosophila genus. Scientific Reports, 2016, 6, 36248.	1.6	25
24	The Relationship Between Allozyme and Chromosomal Polymorphism Inferred From Nucleotide Variation at the Acph-1 Gene Region of Drosophila subobscura. Genetics, 1999, 153, 871-889.	1.2	23
25	The Colonization of Drosophila subobscura in Chile. II. Clines in the Chromosomal Arrangements. Evolution; International Journal of Organic Evolution, 1985, 39, 838.	1.1	21
26	STRUCTURE AND POPULATION GENETICS OF THE BREAKPOINTS OF A POLYMORPHIC INVERSION INDROSOPHILA SUBOBSCURA. Evolution; International Journal of Organic Evolution, 2013, 67, 66-79.	1.1	20
27	Genome Scans of Variation and Adaptive Change: Extended Analysis of a Candidate Locus Close to the phantom Gene Region in Drosophila melanogaster. Molecular Biology and Evolution, 2007, 24, 1122-1129.	3.5	19
28	Nucleotide Polymorphism at the RpII215 Gene in Drosophila subobscura: Weak Selection on Synonymous Mutations. Genetics, 2000, 155, 1245-1252.	1.2	18
29	CHROMOSOMAL EVOLUTION OF ELEMENTS B AND C IN THE SOPHOPHORA SUBGENUS OF DROSOPHILA: EVOLUTIONARY RATE AND POLYMORPHISM. Evolution; International Journal of Organic Evolution, 2006, 60, 768-781.	1.1	17
30	Genetic Exchange versus Genetic Differentiation in a Medium-Sized Inversion of Drosophila: The A2/Ast Arrangements of Drosophila subobscura. Molecular Biology and Evolution, 2008, 25, 1534-1543.	3.5	17
31	Molecular Population Genetics of the Insulin/TOR Signal Transduction Pathway: A Network-Level Analysis in Drosophila melanogaster. Molecular Biology and Evolution, 2012, 29, 123-132.	3.5	17
32	The origin of chromosomal inversions as a source of segmental duplications in the Sophophora subgenus of Drosophila. Scientific Reports, 2016, 6, 30715.	1.6	17
33	High Incidence of Interchromosomal Transpositions in the Evolutionary History of a Subset of Or Genes in Drosophila. Journal of Molecular Evolution, 2008, 66, 325-332.	0.8	16
34	Chromosomal evolution of elements B and C in the Sophophora subgenus of Drosophila: evolutionary rate and polymorphism. Evolution; International Journal of Organic Evolution, 2006, 60, 768-81.	1.1	16
35	DNA Sequence Polymorphism and Divergence at the erect wing and suppressor of sable Loci of Drosophila melanogaster and D. simulans. Genetics, 2005, 170, 1153-1165.	1.2	14
36	The High-Quality Genome Sequence of the Oceanic Island Endemic Species Drosophila guanche Reveals Signals of Adaptive Evolution in Genes Related to Flight and Genome Stability. Genome Biology and Evolution, 2018, 10, 1956-1969.	1.1	14

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37	Nucleotide Polymorphism in the RpII215 Gene Region of the Insular Species Drosophila guanche: Reduced Efficacy of Weak Selection on Synonymous Variation. Molecular Biology and Evolution, 2003, 20, 1867-1875.	3.5	13
38	Positive Selection Has Driven the Evolution of the Drosophila Insulin-Like Receptor (InR) at Different Timescales. Molecular Biology and Evolution, 2009, 26, 1723-1732.	3.5	11
39	Excess of Nonsynonymous Polymorphism at Acph-1 in Different Gene Arrangements of Drosophila subobscura. Molecular Biology and Evolution, 2003, 20, 1833-1843.	3.5	10
40	Monitoring chromosomal polymorphism in Drosophila subobscura over 40 years. Entomological Science, 2016, 19, 215-221.	0.3	10
41	Nucleotide Variation at the yellow Gene Region is not Reduced in Drosophila subobscura: A Study in Relation to Chromosomal Polymorphism. Molecular Biology and Evolution, 2000, 17, 1942-1955.	3.5	9
42	Inversion evolutionary rates might limit the experimental identification of inversion breakpoints in non-model species. Scientific Reports, 2017, 7, 17281.	1.6	9
43	Dense gene physical maps of the non-model species Drosophila subobscura. Chromosome Research, 2017, 25, 145-154.	1.0	7
44	Inferring the demographic history of Drosophila subobscura from nucleotide variation at regions not affected by chromosomal inversions. Molecular Ecology, 2015, 24, 1729-1741.	2.0	6
45	The molecular genealogy of sequential overlapping inversions implies both homologous chromosomes of a heterokaryotype in an inversion origin. Scientific Reports, 2019, 9, 17009.	1.6	6
46	Characterization of dFOXO binding sites upstream of the Insulin Receptor P2 promoter across the Drosophila phylogeny. PLoS ONE, 2017, 12, e0188357.	1.1	5
47	The molecular characterization of fixed inversions breakpoints unveils the ancestral character of the Drosophila guanche chromosomal arrangements. Scientific Reports, 2019, 9, 1706.	1.6	5
48	Uncovering the Footprint of Positive Selection on the X Chromosome of Drosophila melanogaster. Molecular Biology and Evolution, 2010, 27, 153-160.	3.5	4
49	Polymorphism at genes involved in salt tolerance in Arabidopsis thaliana (Brassicaceae). American Journal of Botany, 2013, 100, 384-390.	0.8	4
50	Odorant Receptor (Or) Genes: Polymorphism and Divergence in the D. melanogaster and D. pseudoobscura Lineages. PLoS ONE, 2010, 5, e13389.	1.1	3
51	Comment on â€œThe Molecular Evolutionary Patterns of the Insulin/FOXO Signaling Pathwayâ€. Evolutionary Bioinformatics, 2013, 9, EBO.S11915.	0.6	2
52	Evidence for a Gene Involved in Multiple and Diverse Rearrangements in the Drosophila Genus. Molecular Biology and Evolution, 2014, 31, 2998-3001.	3.5	2
53	An easy route to the massive karyotyping of complex chromosomal arrangements in Drosophila. Scientific Reports, 2017, 7, 12717.	1.6	1
54	Multiple and diverse structural changes affect the breakpoint regions of polymorphic inversions across the Drosophila genus. , 0, .		1

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55	Patterns of Nucleotide Diversity at the Regions Encompassing the Drosophila Insulin-Like Peptide (dilp) Genes: Demography vs. Positive Selection in Drosophila melanogaster. PLoS ONE, 2013, 8, e53593.	1.1	1