

Doris Bachtrog

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/2262619/doris-bachtrog-publications-by-year.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

102
papers

6,182
citations

42
h-index

78
g-index

113
ext. papers

7,582
ext. citations

11
avg, IF

6.63
L-index

#	Paper	IF	Citations
102	Neo-sex chromosome evolution shapes sex-dependent asymmetrical introgression barrier.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022 , 119, e2119382119 ^{11.5}	11.5	0
101	Origins and evolution of extreme life span in Pacific Ocean rockfishes. <i>Science</i> , 2021 , 374, 842-847	33.3	9
100	Epigenetics drive the evolution of sex chromosomes in animals and plants. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2021 , 376, 20200124	5.8	5
99	Toxic Y chromosome: Increased repeat expression and age-associated heterochromatin loss in male <i>Drosophila</i> with a young Y chromosome. <i>PLoS Genetics</i> , 2021 , 17, e1009438	6	6
98	Establishment of H3K9me3-dependent heterochromatin during embryogenesis in. <i>ELife</i> , 2021 , 10,	8.9	6
97	Complex Evolutionary History of the Y Chromosome in Flies of the <i>Drosophila obscura</i> Species Group. <i>Genome Biology and Evolution</i> , 2020 , 12, 494-505	3.9	5
96	The <i>Drosophila</i> Y Chromosome Affects Heterochromatin Integrity Genome-Wide. <i>Molecular Biology and Evolution</i> , 2020 , 37, 2808-2824	8.3	19
95	The Y Chromosome as a Battleground for Intragenomic Conflict. <i>Trends in Genetics</i> , 2020 , 36, 510-522	8.5	10
94	The Theory and Applications of Measuring Broad-Range and Chromosome-Wide Recombination Rate from Allele Frequency Decay around a Selected Locus. <i>Molecular Biology and Evolution</i> , 2020 , 37, 3654-3671	8.3	0
93	Epigenetic conflict on a degenerating Y chromosome increases mutational burden in <i>Drosophila</i> males. <i>Nature Communications</i> , 2020 , 11, 5537	17.4	8
92	Chromosome-Level Assembly of Reveals Important Karyotypic Transition of the X Chromosome. <i>G3: Genes, Genomes, Genetics</i> , 2020 , 10, 891-897	3.2	4
91	Patterns of Genomic Differentiation in the <i>Drosophila nasuta</i> Species Complex. <i>Molecular Biology and Evolution</i> , 2020 , 37, 208-220	8.3	13
90	The Y chromosome may contribute to sex-specific ageing in <i>Drosophila</i> . <i>Nature Ecology and Evolution</i> , 2020 , 4, 853-862	12.3	23
89	Contingency in the convergent evolution of a regulatory network: Dosage compensation in <i>Drosophila</i> . <i>PLoS Biology</i> , 2019 , 17, e3000094	9.7	19
88	Recurrent gene co-amplification on <i>Drosophila</i> X and Y chromosomes. <i>PLoS Genetics</i> , 2019 , 15, e1008256	6	18
87	Dynamic turnover of centromeres drives karyotype evolution in <i>Drosophila</i> . <i>ELife</i> , 2019 , 8,	8.9	35
86	Ancestral male recombination in <i>Drosophila albomicans</i> produced geographically restricted neo-Y chromosome haplotypes varying in age and onset of decay. <i>PLoS Genetics</i> , 2019 , 15, e1008502	6	11

85	Massive gene amplification on a recently formed <i>Drosophila</i> Y chromosome. <i>Nature Ecology and Evolution</i> , 2019 , 3, 1587-1597	12.3	29
84	Ancestral male recombination in <i>Drosophila albomicans</i> produced geographically restricted neo-Y chromosome haplotypes varying in age and onset of decay 2019 , 15, e1008502		
83	Ancestral male recombination in <i>Drosophila albomicans</i> produced geographically restricted neo-Y chromosome haplotypes varying in age and onset of decay 2019 , 15, e1008502		
82	Ancestral male recombination in <i>Drosophila albomicans</i> produced geographically restricted neo-Y chromosome haplotypes varying in age and onset of decay 2019 , 15, e1008502		
81	Ancestral male recombination in <i>Drosophila albomicans</i> produced geographically restricted neo-Y chromosome haplotypes varying in age and onset of decay 2019 , 15, e1008502		
80	De novo assembly of a young <i>Drosophila</i> Y chromosome using single-molecule sequencing and chromatin conformation capture. <i>PLoS Biology</i> , 2018 , 16, e2006348	9.7	48
79	Patterns of Genome-Wide Diversity and Population Structure in the <i>Drosophila athabasca</i> Species Complex. <i>Molecular Biology and Evolution</i> , 2017 , 34, 1912-1923	8.3	13
78	Convergent evolution of Y chromosome gene content in flies. <i>Nature Communications</i> , 2017 , 8, 785	17.4	35
77	Sex Determination, Sex Chromosomes, and Karyotype Evolution in Insects. <i>Journal of Heredity</i> , 2017 , 108, 78-93	2.4	84
76	Alternative Splicing within and between <i>Drosophila</i> Species, Sexes, Tissues, and Developmental Stages. <i>PLoS Genetics</i> , 2016 , 12, e1006464	6	30
75	Numerous transitions of sex chromosomes in Diptera. <i>PLoS Biology</i> , 2015 , 13, e1002078	9.7	186
74	Partial dosage compensation in Strepsiptera, a sister group of beetles. <i>Genome Biology and Evolution</i> , 2015 , 7, 591-600	3.9	21
73	Rapid divergence and diversification of mammalian duplicate gene functions. <i>BMC Evolutionary Biology</i> , 2015 , 15, 138	3	28
72	Ancestral Chromatin Configuration Constrains Chromatin Evolution on Differentiating Sex Chromosomes in <i>Drosophila</i> . <i>PLoS Genetics</i> , 2015 , 11, e1005331	6	26
71	Non-allelic gene conversion enables rapid evolutionary change at multiple regulatory sites encoded by transposable elements. <i>ELife</i> , 2015 , 4,	8.9	23
70	Author response: Non-allelic gene conversion enables rapid evolutionary change at multiple regulatory sites encoded by transposable elements 2015 ,		2
69	Signs of genomic battles in mouse sex chromosomes. <i>Cell</i> , 2014 , 159, 716-8	56.2	9
68	The chromatin landscape of <i>Drosophila</i> : comparisons between species, sexes, and chromosomes. <i>Genome Research</i> , 2014 , 24, 1125-37	9.7	29

67	De novo transcriptome assembly reveals sex-specific selection acting on evolving neo-sex chromosomes in <i>Drosophila miranda</i> . <i>BMC Genomics</i> , 2014 , 15, 241	4.5	10
66	Strepsiptera, phylogenomics and the long branch attraction problem. <i>PLoS ONE</i> , 2014 , 9, e107709	3.7	38
65	Sex determination: why so many ways of doing it?. <i>PLoS Biology</i> , 2014 , 12, e1001899	9.7	606
64	Sex-specific embryonic gene expression in species with newly evolved sex chromosomes. <i>PLoS Genetics</i> , 2014 , 10, e1004159	6	15
63	Complex evolutionary trajectories of sex chromosomes across bird taxa. <i>Science</i> , 2014 , 346, 1246338	33.3	184
62	Dosage compensation via transposable element mediated rewiring of a regulatory network. <i>Science</i> , 2013 , 342, 846-50	33.3	112
61	Conservation and de novo acquisition of dosage compensation on newly evolved sex chromosomes in <i>Drosophila</i> . <i>Genes and Development</i> , 2013 , 27, 853-8	12.6	47
60	Y-chromosome evolution: emerging insights into processes of Y-chromosome degeneration. <i>Nature Reviews Genetics</i> , 2013 , 14, 113-24	30.1	491
59	Horizontal gene transfer from diverse bacteria to an insect genome enables a tripartite nested mealybug symbiosis. <i>Cell</i> , 2013 , 153, 1567-78	56.2	285
58	Reversal of an ancient sex chromosome to an autosome in <i>Drosophila</i> . <i>Nature</i> , 2013 , 499, 332-5	50.4	137
57	The epigenome of evolving <i>Drosophila</i> neo-sex chromosomes: dosage compensation and heterochromatin formation. <i>PLoS Biology</i> , 2013 , 11, e1001711	9.7	60
56	Comparative sex chromosome genomics in snakes: differentiation, evolutionary strata, and lack of global dosage compensation. <i>PLoS Biology</i> , 2013 , 11, e1001643	9.7	212
55	Sex-biased gene expression at homomorphic sex chromosomes in emus and its implication for sex chromosome evolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 6453-8	11.5	113
54	Neofunctionalization of young duplicate genes in <i>Drosophila</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 17409-14	11.5	110
53	Chromosome-wide gene silencing initiates Y degeneration in <i>Drosophila</i> . <i>Current Biology</i> , 2012 , 22, 522-5.3	5.3	45
52	Deciphering neo-sex and B chromosome evolution by the draft genome of <i>Drosophila albomicans</i> . <i>BMC Genomics</i> , 2012 , 13, 109	4.5	59
51	Sex-specific adaptation drives early sex chromosome evolution in <i>Drosophila</i> . <i>Science</i> , 2012 , 337, 341-5	33.3	135
50	Sex-biased transcriptome evolution in <i>Drosophila</i> . <i>Genome Biology and Evolution</i> , 2012 , 4, 1189-200	3.9	125

49	Characterizing the influence of effective population size on the rate of adaptation: Gillespie's Darwin domain. <i>Genome Biology and Evolution</i> , 2011 , 3, 687-701	3.9	40
48	Effective population size and the efficacy of selection on the X chromosomes of two closely related <i>Drosophila</i> species. <i>Genome Biology and Evolution</i> , 2011 , 3, 114-28	3.9	53
47	Lack of global dosage compensation in <i>Schistosoma mansoni</i> , a female-heterogametic parasite. <i>Genome Biology and Evolution</i> , 2011 , 3, 230-5	3.9	59
46	Are all sex chromosomes created equal?. <i>Trends in Genetics</i> , 2011 , 27, 350-7	8.5	238
45	Plant sex chromosomes: a non-degenerated Y?. <i>Current Biology</i> , 2011 , 21, R685-8	6.3	11
44	Nonrandom gene loss from the <i>Drosophila miranda</i> neo-Y chromosome. <i>Genome Biology and Evolution</i> , 2011 , 3, 1329-37	3.9	41
43	Correlated evolution of nearby residues in Drosophilid proteins. <i>PLoS Genetics</i> , 2011 , 7, e1001315	6	35
42	Characterizing recurrent positive selection at fast-evolving genes in <i>Drosophila miranda</i> and <i>Drosophila pseudoobscura</i> . <i>Genome Biology and Evolution</i> , 2010 , 2, 371-8	3.9	15
41	Evolution of sex chromosomes in insects. <i>Annual Review of Genetics</i> , 2010 , 44, 91-112	14.5	104
40	Dosage compensation and demasculinization of X chromosomes in <i>Drosophila</i> . <i>Current Biology</i> , 2010 , 20, 1476-81	6.3	63
39	Accelerated adaptive evolution on a newly formed X chromosome. <i>PLoS Biology</i> , 2009 , 7, e82	9.7	42
38	Progress and prospects toward our understanding of the evolution of dosage compensation. <i>Chromosome Research</i> , 2009 , 17, 585-602	4.4	74
37	Similar rates of protein adaptation in <i>Drosophila miranda</i> and <i>D. melanogaster</i> , two species with different current effective population sizes. <i>BMC Evolutionary Biology</i> , 2008 , 8, 334	3	44
36	Genomic degradation of a young Y chromosome in <i>Drosophila miranda</i> . <i>Genome Biology</i> , 2008 , 9, R30	18.3	111
35	Gene content evolution on the X chromosome. <i>Current Opinion in Genetics and Development</i> , 2008 , 18, 493-8	4.9	39
34	Evidence for male-driven evolution in <i>Drosophila</i> . <i>Molecular Biology and Evolution</i> , 2008 , 25, 617-9	8.3	38
33	Positive and negative selection on noncoding DNA in <i>Drosophila simulans</i> . <i>Molecular Biology and Evolution</i> , 2008 , 25, 1825-34	8.3	79
32	Positive selection at the binding sites of the male-specific lethal complex involved in dosage compensation in <i>Drosophila</i> . <i>Genetics</i> , 2008 , 180, 1123-9	4	22

31	The temporal dynamics of processes underlying Y chromosome degeneration. <i>Genetics</i> , 2008 , 179, 1513-25	134
30	Reduced selection for codon usage bias in <i>Drosophila miranda</i> . <i>Journal of Molecular Evolution</i> , 2007 , 64, 586-90	3.1 30
29	Expression profile of a degenerating neo-y chromosome in <i>Drosophila</i> . <i>Current Biology</i> , 2006 , 16, 1694-96.3	58
28	Selection, recombination and demographic history in <i>Drosophila miranda</i> . <i>Genetics</i> , 2006 , 174, 2045-59	4 65
27	X chromosomes and autosomes evolve at similar rates in <i>Drosophila</i> : no evidence for faster-X protein evolution. <i>Genome Research</i> , 2006 , 16, 498-504	9.7 62
26	A dynamic view of sex chromosome evolution. <i>Current Opinion in Genetics and Development</i> , 2006 , 16, 578-85	4.9 174
25	The speciation history of the <i>Drosophila nasuta</i> complex. <i>Genetical Research</i> , 2006 , 88, 13-26	1.1 22
24	EXTENSIVE INTROGRESSION OF MITOCHONDRIAL DNA RELATIVE TO NUCLEAR GENES IN THE DROSOPHILA YAKUBA SPECIES GROUP. <i>Evolution; International Journal of Organic Evolution</i> , 2006 , 60, 292-302	3.8 166
23	Extensive introgression of mitochondrial DNA relative to nuclear genes in the <i>Drosophila yakuba</i> species group. <i>Evolution; International Journal of Organic Evolution</i> , 2006 , 60, 292-302	3.8 67
22	Sex chromosome evolution: molecular aspects of Y-chromosome degeneration in <i>Drosophila</i> . <i>Genome Research</i> , 2005 , 15, 1393-401	9.7 82
21	Adaptive evolution of asexual populations under Muller's ratchet. <i>Evolution; International Journal of Organic Evolution</i> , 2004 , 58, 1403-13	3.8 67
20	Evidence that positive selection drives Y-chromosome degeneration in <i>Drosophila miranda</i> . <i>Nature Genetics</i> , 2004 , 36, 518-22	36.3 93
19	Adaptation shapes patterns of genome evolution on sexual and asexual chromosomes in <i>Drosophila</i> . <i>Nature Genetics</i> , 2003 , 34, 215-9	36.3 80
18	Accumulation of Spock and Worf, two novel non-LTR retrotransposons, on the neo-Y chromosome of <i>Drosophila miranda</i> . <i>Molecular Biology and Evolution</i> , 2003 , 20, 173-81	8.3 64
17	On the genomic location of the exuperantia1 gene in <i>Drosophila miranda</i> : the limits of in situ hybridization experiments. <i>Genetics</i> , 2003 , 164, 1237-40	4 4
16	A survey of chromosomal and nucleotide sequence variation in <i>Drosophila miranda</i> . <i>Genetics</i> , 2003 , 164, 1369-81	4 25
15	Protein evolution and codon usage bias on the neo-sex chromosomes of <i>Drosophila miranda</i> . <i>Genetics</i> , 2003 , 165, 1221-32	4 39
14	Reduced adaptation of a non-recombining neo-Y chromosome. <i>Nature</i> , 2002 , 416, 323-6	50.4 167

13	Reduced levels of microsatellite variability on the neo-Y chromosome of <i>Drosophila miranda</i> . <i>Current Biology</i> , 2000 , 10, 1025-31	6.3	34
12	Microsatellite variability differs between dinucleotide repeat motifs-evidence from <i>Drosophila melanogaster</i> . <i>Molecular Biology and Evolution</i> , 2000 , 17, 1277-85	8.3	73
11	Epigenetic conflict on a degenerating Y chromosome increases mutational burden in <i>Drosophila</i> males		2
10	Dynamic turnover of centromeres drives karyotype evolution in <i>Drosophila</i>		2
9	The <i>Drosophila</i> Y chromosome affects heterochromatin integrity genome-wide		4
8	The Y chromosome contributes to sex-specific aging in <i>Drosophila</i>		6
7	Toxic Y chromosome: increased repeat expression and age-associated heterochromatin loss in male <i>Drosophila</i> with a young Y chromosome		4
6	Recurrent gene amplification on <i>Drosophila</i> Y chromosomes suggests cryptic sex chromosome drive is common on young sex chromosomes		3
5	Massive gene amplification on a recently formed <i>Drosophila</i> Y chromosome		1
4	The evolution of alternative splicing in <i>Drosophila</i>		2
3	Molecular characterization of inversion breakpoints in the <i>Drosophila nasuta</i> species group		2
2	Neo-sex chromosome evolution shapes sex-dependent asymmetrical introgression barrier		1
1	Restricted nucleation and piRNA-mediated establishment of heterochromatin during embryogenesis in <i>Drosophila miranda</i>		2