

# Daniel A Barbash

## List of Publications by Year in descending order

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Version: 2024-02-01

42  
papers

3,034  
citations

567281  
15  
h-index

361022  
35  
g-index

45  
all docs

45  
docs citations

45  
times ranked

3938  
citing authors

#	ARTICLE	IF	CITATIONS
1	Evolution of genes and genomes on the <i>Drosophila</i> phylogeny. <i>Nature</i> , 2007, 450, 203-218.	27.8	1,886
2	Satellite DNA evolution: old ideas, new approaches. <i>Current Opinion in Genetics and Development</i> , 2018, 49, 70-78.	3.3	142
3	The Hmr and Lhr Hybrid Incompatibility Genes Suppress a Broad Range of Heterochromatic Repeats. <i>PLoS Genetics</i> , 2014, 10, e1004240.	3.5	89
4	Correlated variation and population differentiation in satellite DNA abundance among lines of <i>Drosophila melanogaster</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 18793-18798.	7.1	88
5	<i>Drosophila</i> Interspecific Hybrids Phenocopy piRNA-Pathway Mutants. <i>PLoS Biology</i> , 2012, 10, e1001428.	5.6	84
6	Abundant and species-specific DINE-1 transposable elements in 12 <i>Drosophila</i> genomes. <i>Genome Biology</i> , 2008, 9, R39.	9.6	80
7	Variable Rates of Simple Satellite Gains across the <i>Drosophila</i> Phylogeny. <i>Molecular Biology and Evolution</i> , 2018, 35, 925-941.	8.9	65
8	Beyond speciation genes: an overview of genome stability in evolution and speciation. <i>Current Opinion in Genetics and Development</i> , 2017, 47, 17-23.	3.3	62
9	Analysis of piRNA-Mediated Silencing of Active TEs in <i>Drosophila melanogaster</i> Suggests Limits on the Evolution of Host Genome Defense. <i>Molecular Biology and Evolution</i> , 2013, 30, 1816-1829.	8.9	61
10	Ninety Years of <i>Drosophila melanogaster</i> Hybrids. <i>Genetics</i> , 2010, 186, 1-8.	2.9	58
11	Double insertion of transposable elements provides a substrate for the evolution of satellite DNA. <i>Genome Research</i> , 2018, 28, 714-725.	5.5	52
12	A Pooled Sequencing Approach Identifies a Candidate Meiotic Driver in <i>Drosophila</i> . <i>Genetics</i> , 2017, 206, 451-465.	2.9	50
13	Moving Speciation Genetics Forward: Modern Techniques Build on Foundational Studies in <i>Drosophila</i> . <i>Genetics</i> , 2017, 207, 825-842.	2.9	33
14	The <i>Drosophila</i> bag of marbles Gene Interacts Genetically with <i>Wolbachia</i> and Shows Female-Specific Effects of Divergence. <i>PLoS Genetics</i> , 2015, 11, e1005453.	3.5	31
15	Taming the Turmoil Within: New Insights on the Containment of Transposable Elements. <i>Trends in Genetics</i> , 2020, 36, 474-489.	6.7	29
16	Adaptive Evolution of Genes Involved in the Regulation of Germline Stem Cells in <i>Drosophila melanogaster</i> and <i>D. simulans</i> . <i>G3: Genes, Genomes, Genetics</i> , 2015, 5, 583-592.	1.8	22
17	The Hybrid Incompatibility Genes <i>Lhr</i> and <i>Hmr</i> Are Required for Sister Chromatid Detachment During Anaphase but Not for Centromere Function. <i>Genetics</i> , 2017, 207, 1457-1472.	2.9	22
18	Rates and Patterns of Mutation in Tandem Repetitive DNA in Six Independent Lineages of <i>Chlamydomonas reinhardtii</i> . <i>Genome Biology and Evolution</i> , 2018, 10, 1673-1686.	2.5	21

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19	Genetic Testing of the Hypothesis That Hybrid Male Lethality Results From a Failure in Dosage Compensation. <i>Genetics</i> , 2010, 184, 313-316.	2.9	20
20	Limited Gene Misregulation Is Exacerbated by Allele-Specific Upregulation in Lethal Hybrids between <i>Drosophila melanogaster</i> and <i>Drosophila simulans</i> . <i>Molecular Biology and Evolution</i> , 2014, 31, 1767-1778.	8.9	16
21	Highly Constrained Intergenic <i>Drosophila</i> Ultraconserved Elements Are Candidate ncRNAs. <i>Genome Biology and Evolution</i> , 2015, 7, 689-698.	2.5	16
22	Rapid evolution at the <i>Drosophila</i> telomere: transposable element dynamics at an intrinsically unstable locus. <i>Genetics</i> , 2021, 217, .	2.9	16
23	Nup96-Dependent Hybrid Lethality Occurs in a Subset of Species From the <i>simulans</i> Clade of <i>Drosophila</i> . <i>Genetics</i> , 2007, 176, 543-552.	2.9	14
24	Adaptive evolution among cytoplasmic piRNA proteins leads to decreased genomic auto-immunity. <i>PLoS Genetics</i> , 2020, 16, e1008861.	3.5	12
25	Stonewall prevents expression of ectopic genes in the ovary and accumulates at insulator elements in <i>D. melanogaster</i> . <i>PLoS Genetics</i> , 2022, 18, e1010110.	3.5	9
26	Comment on "A Test of the Snowball Theory for the Rate of Evolution of Hybrid Incompatibilities". <i>Science</i> , 2011, 333, 1576-1576.	12.6	7
27	Never Settling Down: Frequent Changes in Sex Chromosomes. <i>PLoS Biology</i> , 2015, 13, e1002077.	5.6	7
28	Patterns of piRNA Regulation in <i>Drosophila</i> Revealed through Transposable Element Clade Inference. <i>Molecular Biology and Evolution</i> , 2022, 39, .	8.9	7
29	A Screen for F1 Hybrid Male Rescue Reveals No Major-Effect Hybrid Lethality Loci in the <i>Drosophila melanogaster</i> Autosomal Genome. <i>G3: Genes, Genomes, Genetics</i> , 2014, 4, 2451-2460.	1.8	5
30	Normal Segregation of a Foreign-Species Chromosome During <i>Drosophila</i> Female Meiosis Despite Extensive Heterochromatin Divergence. <i>Genetics</i> , 2015, 199, 73-83.	2.9	5
31	Response to Comment on "A Test of the Snowball Theory for the Rate of Evolution of Hybrid Incompatibilities". <i>Science</i> , 2011, 333, 1576-1576.	12.6	4
32	Divergent selection on behavioural and chemical traits between reproductively isolated populations of <i>Drosophila melanogaster</i> . <i>Journal of Evolutionary Biology</i> , 2022, 35, 693-707.	1.7	4
33	Clash of the Genomes. <i>Cell</i> , 2008, 135, 1002-1003.	28.9	3
34	Did Mitochondria Kill the Frog?. <i>Developmental Cell</i> , 2018, 44, 539-541.	7.0	3
35	Adaptive evolution among cytoplasmic piRNA proteins leads to decreased genomic auto-immunity. , 2020, 16, e1008861.		0
36	Adaptive evolution among cytoplasmic piRNA proteins leads to decreased genomic auto-immunity. , 2020, 16, e1008861.		0

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37	Adaptive evolution among cytoplasmic piRNA proteins leads to decreased genomic auto-immunity. , 2020, 16, e1008861.		0
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39	Adaptive evolution among cytoplasmic piRNA proteins leads to decreased genomic auto-immunity. , 2020, 16, e1008861.		0
40	Adaptive evolution among cytoplasmic piRNA proteins leads to decreased genomic auto-immunity. , 2020, 16, e1008861.		0
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42	Adaptive evolution among cytoplasmic piRNA proteins leads to decreased genomic auto-immunity. , 2020, 16, e1008861.		0