

Antonio Bernardo Carvalho

List of Publications by Citations

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

36
papers

3,864
citations

23
h-index

41
g-index

41
ext. papers

4,515
ext. citations

10.5
avg, IF

4.71
L-index

#	Paper	IF	Citations
36	Evolution of genes and genomes on the <i>Drosophila</i> phylogeny. <i>Nature</i> , 2007 , 450, 203-18	50.4	1586
35	Local rates of recombination are positively correlated with GC content in the human genome. <i>Molecular Biology and Evolution</i> , 2001 , 18, 1139-42	8.3	227
34	The Release 6 reference sequence of the <i>Drosophila melanogaster</i> genome. <i>Genome Research</i> , 2015 , 25, 445-58	9.7	222
33	Genome of <i>Rhodnius prolixus</i> , an insect vector of Chagas disease, reveals unique adaptations to hematophagy and parasite infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 14936-41	11.5	220
32	Heterochromatic sequences in a <i>Drosophila</i> whole-genome shotgun assembly. <i>Genome Biology</i> , 2002 , 3, RESEARCH0085	18.3	188
31	Identification of five new genes on the Y chromosome of <i>Drosophila melanogaster</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001 , 98, 13225-30	11.5	142
30	Y chromosomal fertility factors kl-2 and kl-3 of <i>Drosophila melanogaster</i> encode dynein heavy chain polypeptides. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000 , 97, 13239-44	11.5	119
29	Low conservation of gene content in the <i>Drosophila</i> Y chromosome. <i>Nature</i> , 2008 , 456, 949-51	50.4	113
28	Y chromosome of <i>D. pseudoobscura</i> is not homologous to the ancestral <i>Drosophila</i> Y. <i>Science</i> , 2005 , 307, 108-10	33.3	112
27	Origin and evolution of the <i>Drosophila</i> Y chromosome. <i>Current Opinion in Genetics and Development</i> , 2002 , 12, 664-8	4.9	105
26	Intron size and natural selection. <i>Nature</i> , 1999 , 401, 344	50.4	100
25	Origin and evolution of Y chromosomes: <i>Drosophila</i> tales. <i>Trends in Genetics</i> , 2009 , 25, 270-7	8.5	91
24	Efficient identification of Y chromosome sequences in the human and <i>Drosophila</i> genomes. <i>Genome Research</i> , 2013 , 23, 1894-907	9.7	68
23	Polymorphism for Y-linked suppressors of sex-ratio in two natural populations of <i>Drosophila mediopunctata</i> . <i>Genetics</i> , 1997 , 146, 891-902	4	60
22	Are <i>Drosophila</i> SR drive chromosomes always balanced?. <i>Heredity</i> , 1999 , 83 (Pt 3), 221-8	3.6	55
21	An experimental demonstration of Fisher's principle: evolution of sexual proportion by natural selection. <i>Genetics</i> , 1998 , 148, 719-31	4	51
20	Two new Y-linked genes in <i>Drosophila melanogaster</i> . <i>Genetics</i> , 2008 , 179, 2325-7	4	45

19	Birth of a new gene on the Y chromosome of <i>Drosophila melanogaster</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 12450-5	11.5	44
18	Autosomal suppressors of sex-ratio in <i>Drosophila mediopunctata</i> . <i>Heredity</i> , 1993 , 71 (Pt 5), 546-51	3.6	40
17	Y chromosome and other heterochromatic sequences of the <i>Drosophila melanogaster</i> genome: how far can we go?. <i>Genetica</i> , 2003 , 117, 227-37	1.5	39
16	Functional copies of the Mst77F gene on the Y chromosome of <i>Drosophila melanogaster</i> . <i>Genetics</i> , 2010 , 184, 295-307	4	33
15	Sex-ratio in <i>Drosophila mediopunctata</i> . <i>Heredity</i> , 1989 , 62, 425-428	3.6	30
14	Long-Read Single Molecule Sequencing to Resolve Tandem Gene Copies: The Mst77Y Region on the <i>Drosophila melanogaster</i> Y Chromosome. <i>G3: Genes, Genomes, Genetics</i> , 2015 , 5, 1145-50	3.2	29
13	Improved assembly of noisy long reads by k-mer validation. <i>Genome Research</i> , 2016 , 26, 1710-1720	9.7	23
12	Positive and purifying selection on the <i>Drosophila</i> Y chromosome. <i>Molecular Biology and Evolution</i> , 2014 , 31, 2612-23	8.3	20
11	Evolution of autosomal suppression of the sex-ratio trait in <i>Drosophila</i> . <i>Genetics</i> , 2004 , 166, 265-77	4	17
10	Cryptic diversity in an Atlantic Forest malaria vector from the mountains of South-East Brazil. <i>Parasites and Vectors</i> , 2018 , 11, 36	4	14
9	Heritability of sexual proportion in experimental sex-ratio populations of <i>Drosophila mediopunctata</i> . <i>Heredity</i> , 1997 , 79, 104-112	3.6	14
8	Age and sex-ratio expression in <i>Drosophila mediopunctata</i> . <i>Genetica</i> , 1992 , 87, 107-11	1.5	13
7	First report of Y-linked genes in the kissing bug <i>Rhodnius prolixus</i> . <i>BMC Genomics</i> , 2016 , 17, 100	4.5	10
6	Heritability of sexual proportion in experimental sex-ratio populations of <i>Drosophila mediopunctata</i>		5
5	An investigation of Y chromosome incorporations in 400 species of <i>Drosophila</i> and related genera. <i>PLoS Genetics</i> , 2018 , 14, e1007770	6	5
4	Developmental Sites of Neotropical Drosophilidae (Diptera): V. Inflorescences of <i>Calathea Cylindrica</i> and <i>Calathea monophylla</i> (Zingiberales: Marantaceae). <i>Annals of the Entomological Society of America</i> , 2014 , 107, 607-620	2	4
3	An Improved Genome Assembly for <i>Drosophila navojoa</i> , the Basal Species in the <i>mojavensis</i> Cluster. <i>Journal of Heredity</i> , 2019 , 110, 118-123	2.4	3
2	A phylogenomic study of Steganinae fruit flies (Diptera: Drosophilidae): strong gene tree heterogeneity and evidence for monophyly. <i>BMC Evolutionary Biology</i> , 2020 , 20, 141	3	2

- 1 Two new species of *Drosophila* (Diptera, Drosophilidae) associated with inflorescences of *Goeppertia monophylla* (Marantaceae) in the city of S^o Paulo, state of S^o Paulo, Brazil. *Revista Brasileira De Entomologia*, **2018**, 62, 159-168 0.9 2