

Alfredo Ruiz

List of Publications by Year in descending order

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65
papers

4,253
citations

201674

27
h-index

118850

62
g-index

66
all docs

66
docs citations

66
times ranked

4408
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	Recombination and Gene Flux Caused by Gene Conversion and Crossing Over in Inversion Heterokaryotypes. <i>Genetics</i> , 1997, 146, 695-709.	2.9	203
3	Generation of a Widespread <i>Drosophila</i> Inversion by a Transposable Element. <i>Science</i> , 1999, 285, 415-418.	12.6	200
4	How Malleable is the Eukaryotic Genome? Extreme Rate of Chromosomal Rearrangement in the Genus <i>Drosophila</i> . <i>Genome Research</i> , 2001, 11, 230-239.	5.5	166
5	Evolutionary cytogenetics of the <i>Drosophila buzzatii</i> species complex. <i>Heredity</i> , 1993, 70, 582-596.	2.6	95
6	Effect of Inversion Polymorphism on the Neutral Nucleotide Variability of Linked Chromosomal Regions in <i>Drosophila</i> . <i>Genetics</i> , 2000, 155, 685-698.	2.9	95
7	Host-Plant Specificity in the Cactophilic <i>Drosophila mulleri</i> Species Complex. <i>Journal of Animal Ecology</i> , 1988, 57, 237.	2.8	86
8	The evolutionary history of <i>Drosophila buzzatii</i> . XX. Positive phenotypic covariance between field adult fitness components and body size. <i>Journal of Evolutionary Biology</i> , 1992, 5, 403-422.	1.7	83
9	Molecular Characterization of Two Natural Hotspots in the <i>Drosophila buzzatii</i> Genome Induced by Transposon Insertions. <i>Genome Research</i> , 2001, 11, 1353-1364.	5.5	74
10	Silencing of a gene adjacent to the breakpoint of a widespread <i>Drosophila</i> inversion by a transposon-induced antisense RNA. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 9013-9018.	7.1	72
11	The Foldback-like Transposon Galileo Is Involved in the Generation of Two Different Natural Chromosomal Inversions of <i>Drosophila buzzatii</i> . <i>Molecular Biology and Evolution</i> , 2003, 20, 674-685.	8.9	69
12	The Transposon Galileo Generates Natural Chromosomal Inversions in <i>Drosophila</i> by Ectopic Recombination. <i>PLoS ONE</i> , 2009, 4, e7883.	2.5	64
13	<i>Drosophila koepferae</i> : a New Member of the <i>Drosophila serido</i> (Diptera: Drosophilidae) Superspecies Taxon 1. <i>Annals of the Entomological Society of America</i> , 1988, 81, 380-385.	2.5	63
14	HOM-C evolution in <i>Drosophila</i> : is there a need for Hox gene clustering?. <i>Trends in Genetics</i> , 2007, 23, 55-59.	6.7	61
15	Chromosomal Homology and Molecular Organization of Muller's Elements <i>D</i> and <i>E</i> in the <i>Drosophila repleta</i> Species Group. <i>Genetics</i> , 1997, 145, 281-295.	2.9	53
16	Genomics of Ecological Adaptation in Cactophilic <i>Drosophila</i> . <i>Genome Biology and Evolution</i> , 2015, 7, 349-366.	2.5	51
17	Chromosomal Elements Evolve at Different Rates in the <i>Drosophila</i> Genome. <i>Genetics</i> , 2002, 161, 1137-1154.	2.9	51
18	Conservation of regulatory sequences and gene expression patterns in the disintegrating <i>Drosophila Hox</i> gene complex. <i>Genome Research</i> , 2005, 15, 692-700.	5.5	48

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19	LOW OCCURRENCE OF GENE TRANSPOSITION EVENTS DURING THE EVOLUTION OF THE GENUS DROSOPHILA. Evolution; International Journal of Organic Evolution, 2003, 57, 1325-1335.	2.3	42
20	ANTAGONISTIC PLEIOTROPIC EFFECT OF SECOND-CHROMOSOME INVERSIONS ON BODY SIZE AND EARLY LIFE-HISTORY TRAITS IN <i>DROSOPHILA BUZZATII</i> . Evolution; International Journal of Organic Evolution, 1998, 52, 144-154.	2.3	41
21	Tetris Is a Foldback Transposon that Provided the Building Blocks for an Emerging Satellite DNA of <i>Drosophila virilis</i> . Genome Biology and Evolution, 2014, 6, 1302-1313.	2.5	41
22	On the Fertility Effects of Pericentric Inversions. Genetics, 1997, 147, 931-933.	2.9	41
23	A New Split of the Hox Gene Complex in <i>Drosophila</i> : Relocation and Evolution of the Gene <i>labial</i> . Molecular Biology and Evolution, 2003, 20, 2042-2054.	8.9	40
24	Gene alterations at <i>Drosophila</i> inversion breakpoints provide prima facie evidence for natural selection as an explanation for rapid chromosomal evolution. BMC Genomics, 2012, 13, 53.	2.8	35
25	Recombination Rate Predicts Inversion Size in Diptera. Genetics, 1999, 153, 251-259.	2.9	35
26	The <i>Drosophila</i> serido speciation puzzle: putting new pieces together. Genetica, 2000, 108, 217-227.	1.1	32
27	The Evolutionary History of <i>Drosophila buzzatii</i> . XIII. Random Differentiation as a Partial Explanation of Chromosomal Variation in a Structured Natural Population. American Naturalist, 1989, 133, 183-197.	2.1	31
28	Segmental Duplication, Microinversion, and Gene Loss Associated with a Complex Inversion Breakpoint Region in <i>Drosophila</i> . Molecular Biology and Evolution, 2012, 29, 1875-1889.	8.9	31
29	Molecular Characterization and Chromosomal Distribution of Galileo, Kepler and Newton, Three Foldback Transposable Elements of the <i>Drosophila buzzatii</i> Species Complex. Sequence data from this article have been deposited in the EMBL/GenBank Data Libraries under accession nos. AY756161, AY756162, AY756163, AY756164, AY756165, AY756166, AY756167, AY756168, AY756169, AY756170.. Genetics, 2005, 169, 2047-2059.	2.9	27
30	Testing Chromosomal Phylogenies and Inversion Breakpoint Reuse in <i>Drosophila</i> . Genetics, 2007, 175, 167-177.	2.9	27
31	INVERSION LENGTH AND BREAKPOINT DISTRIBUTION IN THE <i>DROSOPHILA BUZZATII</i> SPECIES COMPLEX: IS INVERSION LENGTH A SELECTED TRAIT?. Evolution; International Journal of Organic Evolution, 1997, 51, 1149-1155.	2.3	26
32	Comparative mapping of cosmids and gene clones from a 1.6 Mb chromosomal region of <i>Drosophila melanogaster</i> in three species of the distantly related subgenus <i>Drosophila</i> . Chromosoma, 1999, 108, 32-43.	2.2	23
33	REPRODUCTIVE RELATIONSHIPS AMONG TEN SPECIES OF THE <i>DROSOPHILA REPLETA</i> GROUP FROM SOUTH AMERICA AND THE WEST INDIES. Evolution; International Journal of Organic Evolution, 1993, 47, 1616-1624.	2.3	22
34	The <i>Foldback</i> -like element <i>Galileo</i> belongs to the <i>P</i> superfamily of DNA transposons and is widespread within the <i>Drosophila</i> genus. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 2957-2962.	7.1	22
35	Exploration of the <i>Drosophila buzzatii</i> transposable element content suggests underestimation of repeats in <i>Drosophila</i> genomes. BMC Genomics, 2016, 17, 344.	2.8	22
36	A BAC-based physical map of the <i>Drosophila buzzatii</i> genome. Genome Research, 2005, 15, 885-889.	5.5	21

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37	Antagonistic Pleiotropic Effect of Second-Chromosome Inversions on Body Size and Early Life-History Traits in <i>Drosophila buzzatii</i> . <i>Evolution; International Journal of Organic Evolution</i> , 1998, 52, 144.	2.3	19
38	Fast sequence evolution of Hox and Hox-derived genes in the genus <i>Drosophila</i> . <i>BMC Evolutionary Biology</i> , 2006, 6, 106.	3.2	19
39	The evolutionary history of <i>Drosophila buzzatii</i> . XXV. Random mating in nature. <i>Heredity</i> , 1992, 68, 373-379.	2.6	17
40	Abundance and chromosomal distribution of six <i>Drosophila buzzatii</i> transposons: BuT1, BuT2, BuT3, BuT4, BuT5, and BuT6. <i>Chromosoma</i> , 2006, 115, 403-412.	2.2	17
41	Inversion Length and Breakpoint Distribution in the <i>Drosophila buzzatii</i> Species Complex: Is Inversion Length a Selected Trait?. <i>Evolution; International Journal of Organic Evolution</i> , 1997, 51, 1149.	2.3	16
42	Description and Evolutionary Relationships of Two Species of the <i>Drosophila mulleri</i> Cluster (Diptera: Drosophilidae). <i>Annals of the Entomological Society of America</i> , 1990, 83, 444-452.	2.5	13
43	MATING PATTERN AND FITNESS-COMPONENT ANALYSIS ASSOCIATED WITH INVERSION POLYMORPHISM IN A NATURAL POPULATION OF <i>DROSOPHILA BUZZATII</i> . <i>Evolution; International Journal of Organic Evolution</i> , 1994, 48, 767-780.	2.3	12
44	Duplicative and Conservative Transpositions of Larval serum protein 1 Genes in the Genus <i>Drosophila</i> . Sequence data from this article have been deposited with the EMBL/GenBank Data Libraries under accession nos. AY561258 and AY561259. <i>Genetics</i> , 2004, 168, 253-264.	2.9	12
45	Cloning and sequencing of the breakpoint regions of inversion 5g fixed in <i>Drosophila buzzatii</i> . <i>Chromosoma</i> , 2009, 118, 349-360.	2.2	12
46	BuT2 Is a Member of the Third Major Group of hAT Transposons and Is Involved in Horizontal Transfer Events in the Genus <i>Drosophila</i> . <i>Genome Biology and Evolution</i> , 2014, 6, 352-365.	2.5	12
47	Reproductive Relationships among Ten Species of the <i>Drosophila repleta</i> Group from South America and the West Indies. <i>Evolution; International Journal of Organic Evolution</i> , 1993, 47, 1616.	2.3	11
48	Dynamics of gametic disequilibria between loci linked to chromosome inversions: the recombination-redistributing effect of inversions. <i>Genetical Research</i> , 1996, 67, 67-76.	0.9	11
49	LOW OCCURRENCE OF GENE TRANSPOSITION EVENTS DURING THE EVOLUTION OF THE GENUS <i>DROSOPHILA</i> . <i>Evolution; International Journal of Organic Evolution</i> , 2003, 57, 1325.	2.3	11
50	Molecular organization of the <i>Drosophila melanogaster</i> Adh chromosomal region in <i>D. repleta</i> and <i>D. buzzatii</i> , two distantly related species of the <i>Drosophila</i> subgenus. <i>Chromosome Research</i> , 2000, 8, 375-385.	2.2	9
51	A Divergent P Element and Its Associated MITE, BuT5, Generate Chromosomal Inversions and Are Widespread within the <i>Drosophila repleta</i> Species Group. <i>Genome Biology and Evolution</i> , 2013, 5, 1127-1141.	2.5	9
52	Identification of multiple binding sites for the THAP domain of the Galileo transposase in the long terminal inverted-repeats. <i>Gene</i> , 2013, 525, 84-91.	2.2	8
53	Genome-Wide Patterns of Sequence Divergence of Protein-Coding Genes Between <i>Drosophila buzzatii</i> and <i>D. mojavensis</i> . <i>Journal of Heredity</i> , 2019, 110, 92-101.	2.4	8
54	Description of a New Spotted-Thorax <i>Drosophila</i> (Diptera: Drosophilidae) Species and its Evolutionary Relationships Inferred by a Cladistic Analysis of Morphological Traits. <i>Annals of the Entomological Society of America</i> , 2013, 106, 695-705.	2.5	7

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55	Concurrent Duplication of <i>Drosophila</i> Cid and Cenp-C Genes Resulted in Accelerated Evolution and Male Germline-Biased Expression of the New Copies. <i>Journal of Molecular Evolution</i> , 2018, 86, 353-364.	1.8	7
56	Computational Sequence Analysis of Inversion Breakpoint Regions in the Cactophilic <i>Drosophila</i> <i>mojavensis</i> Lineage. <i>Journal of Heredity</i> , 2019, 110, 102-117.	2.4	7
57	Chromosomal evolution and comparative gene mapping in the <i>Drosophila</i> <i>repleta</i> species group. <i>Genetics and Molecular Biology</i> , 1997, 20, 553-565.	1.0	7
58	Potential Gene Exchange between South American <i>Drosophila</i> Species, with Description of a New Species in the <i>D. repleta</i> (Diptera: Drosophilidae) Group 1. <i>Annals of the Entomological Society of America</i> , 1983, 76, 675-677.	2.5	5
59	Protein Polymorphism Is Negatively Correlated with Conservation of Intronic Sequences and Complexity of Expression Patterns in <i>Drosophila melanogaster</i> . <i>Journal of Molecular Evolution</i> , 2007, 64, 511-518.	1.8	5
60	Reassignment of <i>Drosophila willistoni</i> Genome Scaffolds to Chromosome II Arms. <i>G3: Genes, Genomes, Genetics</i> , 2015, 5, 2559-2566.	1.8	5
61	Mating Pattern and Fitness-Component Analysis Associated with Inversion Polymorphism in a Natural Population of <i>Drosophila buzzatii</i> . <i>Evolution; International Journal of Organic Evolution</i> , 1994, 48, 767.	2.3	4
62	Striking structural dynamism and nucleotide sequence variation of the transposon Galileo in the genome of <i>Drosophila mojavensis</i> . <i>Mobile DNA</i> , 2013, 4, 6.	3.6	4
63	The estimation of genotypic probabilities in an adult population by the analysis of descendants. <i>Genetical Research</i> , 1992, 59, 131-137.	0.9	3
64	Testing chromosomal phylogenies and inversion breakpoint reuse in <i>Drosophila</i> . The <i>martensis</i> cluster revisited. <i>Chromosome Research</i> , 2011, 19, 251-265.	2.2	3
65	Structural and sequence diversity of the transposon Galileo in the <i>Drosophila willistoni</i> genome. <i>BMC Genomics</i> , 2014, 15, 792.	2.8	1