Antonio Fontdevila

List of Publications by Year
in descending order

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79 papers	1,965 citations	218677 26 h-index	289244 40 g-index
81 all docs	81 docs citations	81 times ranked	1019 citing authors

#	Article	IF	Citations
1	The evolutionary history of Drosophila buzzatii. XIV. Larger flies mate more often in nature. Heredity, 1988, 61, 255-262.	2.6	118
2	Interspecific hybridization increases transposition rates of Osvaldo. Molecular Biology and Evolution, 1999, 16, 931-937.	8.9	107
3	Hybrid genome evolution by transposition. Cytogenetic and Genome Research, 2005, 110, 49-55.	1.1	89
4	The evolutionary history of Drosophila buzzatii. XX. Positive phenotypic covariance between field adult fitness components and body size. Journal of Evolutionary Biology, 1992, 5, 403-422.	1.7	83
5	THE EVOLUTIONARY HISTORY OF DROSOPHILA BUZZATII. XII. THE GENETIC BASIS OF STERILITY IN HYBRIDS BETWEEN D. BUZZATII AND ITS SIBLING D. SERIDO FROM ARGENTINA. Genetics, 1986, 114, 841-857.	2.9	76
6	The evolutionary history of Drosophila buzzatii. Chromosoma, 1985, 91, 87-94.	2.2	71
7	Temperatureâ€Related Genetic Changes in Laboratory Populations of Drosophila subobscura: Evidence against Simple Climaticâ€Based Explanations for Latitudinal Clines. American Naturalist, 2005, 165, 258-273.	2.1	69
8	Drosophila koepferae: a New Member of the Drosophila serido (Diptera: Drosophilidae) Superspecies Taxon1. Annals of the Entomological Society of America, 1988, 81, 380-385.	2.5	63
9	The evolutionary history of Drosophila buzzatti. XXVI. Macrogeographic patterns of inversion polymorphism in New World populations. Journal of Evolutionary Biology, 1995, 8, 369-384.	1.7	63
10	Oviposition preference and life history traits in cactophilic Drosophila koepferae and D. buzzatii in association with their natural hosts. Evolutionary Ecology, 1999, 13, 173-190.	1.2	58
11	Swift laboratory thermal evolution of wing shape (but not size) in Drosophila subobscura and its relationship with chromosomal inversion polymorphism. Journal of Evolutionary Biology, 2004, 17, 841-855.	1.7	51
12	The evolutionary history of Drosophila buzzatii. XXIV. Second chromosome inversions have different average effects on thorax length. Heredity, 1992, 68, 557-563.	2.6	50
13	Genetic instability and rapid speciation: are they coupled?. Genetica, 1992, 86, 247-258.	1.1	46
14	The transmission of yeasts by Drosophila buzzatii during courtship and mating. Animal Behaviour, 1988, 36, 1691-1695.	1.9	41
15	High transposition rates of Osvaldo, a new Drosophila buzzatii retrotransposon. Molecular Genetics and Genomics, 1994, 245, 661-674.	2.4	41
16	The evolutionary history of Drosophila buzzatii XXVII. Genetica, 1993, 92, 61-65.	1.1	40
17	The Evolutionary History of Drosophila buzzatii. XXXV. Inversion Polymorphism and Nucleotide Variability in Different Regions of the Second Chromosome. Molecular Biology and Evolution, 2003, 20, 931-944.	8.9	39
18	The evolutionary history of Drosophila buzzatii. XVI. Fitness component analysis in an original natural population from Argentina. Journal of Evolutionary Biology, 1991, 4, 209-225.	1.7	38

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19	The retrotransposon Osvaldo from Drosophila buzzatii displays all structural features of a functional retrovirus. Molecular Biology and Evolution, 1999, 16, 909-921.	8.9	36
20	A Genome-Wide Survey of Genetic Instability by Transposition in Drosophila Hybrids. PLoS ONE, 2014, 9, e88992.	2.5	35
21	Molecular Evolution and Phylogeny of the buzzatii Complex (Drosophila repleta Group): A Maximum-Likelihood Approach. Molecular Biology and Evolution, 2000, 17, 1112-1122.	8.9	34
22	The evolutionary history of Drosophila buzzatii. XXI. Cumulative action of multiple sterility factors on spermatogenesis in hybrids of D. buzzatii and D. koepferae. Heredity, 1991, 67, 57-72.	2.6	33
23	The evolutionary history of Drosophila buzzatii. XXX. Mitochondrial DNA polymorphism in original and colonizing populations. Molecular Biology and Evolution, 1996, 13, 314-323.	8.9	32
24	The Evolutionary History of Drosophila buzzatii. XIII. Random Differentiation as a Partial Explanation of Chromosomal Variation in a Structured Natural Population. American Naturalist, 1989, 133, 183-197.	2.1	31
25	Rapid isolation ofDrosophilahigh molecular weight DNA to obtain genomic libraries. Nucleic Acids Research, 1988, 16, 2736-2736.	14.5	28
26	Genetic Mapping of the Adh Locus in the Repleta Group of Drosophila by in situ Hybridization. Journal of Heredity, 1990, 81, 83-86.	2.4	28
27	The evolutionary history of D. buzzatii. XXII. Chromosomal and genic sterility in male hybrids of Drosophila buzzatii and Drosophila koepferae. Heredity, 1991, 66, 233-239.	2.6	26
28	The Evolutionary History of Drosophila buzzatii XXXIV. The Distribution of the Retrotansposon Osvaldo in Original and Colonizing Populations. Molecular Biology and Evolution, 1998, 15, 1532-1547.	8.9	26
29	Evolutionary Relationships Among the Members of an Ancient Class of Non-LTR Retrotransposons Found in the Nematode Caenorhabditis elegans. Molecular Biology and Evolution, 1998, 15, 1390-1402.	8.9	26
30	Distribution of the transposable elements bilbo and gypsy in original and colonizing populations of Drosophila subobscura. BMC Evolutionary Biology, 2008, 8, 234.	3.2	25
31	Toward a Physical Map of Drosophila buzzatii: Use of Randomly Amplified Polymorphic DNA Polymorphisms and Sequence-Tagged Site Landmarks. Genetics, 2000, 156, 1797-1816.	2.9	23
32	REPRODUCTIVE RELATIONSHIPS AMONG TEN SPECIES OF THEDROSOPHILA REPLETAGROUP FROM SOUTH AMERICA AND THE WEST INDIES. Evolution; International Journal of Organic Evolution, 1993, 47, 1616-1624.	2.3	22
33	Genome-Wide Dissection of Hybrid Sterility in Drosophila Confirms a Polygenic Threshold Architecture. Journal of Heredity, 2014, 105, 381-396.	2.4	20
34	The evolutionary history of Drosophila buzzatii. XXXII. Linkage disequilibrium between allozymes and chromosome inversions in two colonizing populations. Heredity, 1995, 74, 188-199.	2.6	19
35	Spatial Distribution and Dispersal in a Population of Drosophila. American Naturalist, 1978, 112, 365-380.	2.1	19
36	The evolutionary history of Drosophila buzzatii XI. A new method for cytogenetic localization based on asynapsis of polytene chromosomes in interspecific hybrids of Drosophila. Genetica, 1986, 71, 199-212.	1.1	18

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37	The evolutionary history of Drosophila buzzatii. XXV. Random mating in nature. Heredity, 1992, 68, 373-379.	2.6	17
38	The evolutionary history of Drosophila buzzatii. XXXIII. Are Opuntia hosts a selective factor for the inversion polymorphism?. Heredity, 1996, 77, 500-508.	2.6	16
39	The evolutionary history of Drosophila buzzatii VI. Adaptive chromosomal changes in experimental populations with natural substrates. Genetica, 1985, 66, 63-71.	1.1	15
40	Maintenance of allozyme polymorphisms in experimental populations of Drosophila. Nature, 1975, 255, 149-151.	27.8	13
41	Description and Evolutionary Relationships of Two Species of the Drosophila mulleri Cluster (Diptera: Drosophilidae). Annals of the Entomological Society of America, 1990, 83, 444-452.	2.5	13
42	MATING PATTERN AND FITNESS-COMPONENT ANALYSIS ASSOCIATED WITH INVERSION POLYMORPHISM IN A NATURAL POPULATION OFDROSOPHILA BUZZATII. Evolution; International Journal of Organic Evolution, 1994, 48, 767-780.	2.3	12
43	Adaptation of the AFLP technique as a new tool to detect genetic instability and transposition in interspecific hybrids. BioTechniques, 2011, 50, 247-250.	1.8	12
44	Genotype-isopropanol interaction in theAdh locus ofDrosophila buzzatii. Experientia, 1980, 36, 398-400.	1.2	11
45	Reproductive Relationships among Ten Species of the Drosophila repleta Group from South America and the West Indies. Evolution; International Journal of Organic Evolution, 1993, 47, 1616.	2.3	11
46	Characterization ofGandalf, a new inverted-repeat transposable element ofDrosophila koepferae. Molecular Genetics and Genomics, 1995, 248, 423-433.	2.4	11
47	Osvaldo and Isis retrotransposons as markers of the Drosophila buzzatii colonisation in Australia. BMC Evolutionary Biology, 2011, 11, 111.	3.2	11
48	Hybrid Genome Evolution by Transposition: An Update. Journal of Heredity, 2019, 110, 124-136.	2.4	11
49	FREQUENCY-DEPENDENT MATING IN A MODIFIED ALLOZYME LOCUS OF DROSOPHILA PSEUDOOBSCURA. Evolution; International Journal of Organic Evolution, 1979, 33, 634-640.	2.3	10
50	Adh expression in species of themulleri subgroup ofDrosophila. Biochemical Genetics, 1987, 25, 729-738.	1.7	10
51	Chromosomal distribution of the transposable elements Osvaldo and blanco in original and colonizer populations of Drosophila buzzatii. Genetical Research, 2001, 77, 227-38.	0.9	10
52	DrosophilaFemales Undergo Genome Expansion after Interspecific Hybridization. Genome Biology and Evolution, 2016, 8, 556-561.	2.5	10
53	Spermiogenesis of inversion heterozygotes in backcross hybrids between Drosophila buzzatii and D. serido. Genetica, 1984, 65, 205-214.	1.1	9
54	Evolutionary conservation and molecular characteristics of repetitive sequences of Drosophila koepferae. Heredity, 1996, 76, 355-366.	2.6	9

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55	The Evolutionary History of Drosophila buzzatii. XXXVI. Molecular Structural Analysis of Osvaldo Retrotransposon Insertions in Colonizing Populations Unveils Drift Effects in Founder Events. Genetics, 2007, 175, 301-310.	2.9	9
56	Colonizing Species of Drosophila. , 1991, , 249-269.		9
57	The Evolutionary History of Drosophila buzzatii. VIII. Evidence for Endocyclic Selection Acting on the Inversion Polymorphism in a Natural Population. Evolution; International Journal of Organic Evolution, 1986, 40, 740.	2.3	7
58	Genetic coadaptation in the chromosomal polymorphism of Drosophila subobscura II. Changes of gametic disequilibrium in experimental populations. Genetica, 1986, 71, 149-160.	1.1	7
59	Molecular characterization and genomic distribution of Isis: a new retrotransposon of Drosophila buzzatii. Molecular Genetics and Genomics, 2007, 277, 83-95.	2.1	7
60	Tracking the origin of an invasive species: Drosophila subobscura in Argentina. Journal of Evolutionary Biology, 2009, 22, 650-658.	1.7	7
61	Genotype-temperature interaction inDrosophila melanogaster. I. Viability. Genetica, 1970, 41, 257-264.	1.1	6
62	Density and frequency-dependent selection on the singed locus of Drosophila melanogaster. Genetica, 1979, 50, 161-166.	1.1	6
63	Genetic analysis of modifier variability inDrosophila subobscura. Experientia, 1981, 37, 1150-1152.	1.2	6
64	Brief communication. Stable Drosophila buzzatii-Drosophila koepferae hybrids. , 1998, 89, 336-339.		6
65	Competition and Genotype-by-Environment Interaction in Natural Breeding Substrates of Drosophila. Evolution; International Journal of Organic Evolution, 1999, 53, 175.	2.3	6
66	Potential Gene Exchange between South American Drosophila Species, with Description of a New Species in the D. repleta (Diptera: Drosophilidae) Group1. Annals of the Entomological Society of America, 1983, 76, 675-677.	2.5	5
67	Mating Pattern and Fitness-Component Analysis Associated with Inversion Polymorphism in a Natural Population of Drosophila buzzatii. Evolution; International Journal of Organic Evolution, 1994, 48, 767.	2.3	4
68	Phylogeny and molecular evolution of the Drosophila hydei subgroup (Drosophila repleta group) inferred from the Xanthine dehydrogenase gene. Molecular Phylogenetics and Evolution, 2005, 36, 695-705.	2.7	4
69	EFFECT OF THE SINGED LOCUS ON THE EGG PRODUCTION CURVE OF DROSOPHILA MELANOGASTER. Genome, 1981, 23, 327-336.	0.7	3
70	The evolutionary history ofDrosophila buzzatii. V. Differential survivorship onOpuntia betweenD. buzzatii andD. serido. Experientia, 1985, 41, 129-131.	1.2	3
71	Migrant selection in a natural population ofDrosophila. Experientia, 1977, 33, 1447-1448.	1.2	2
72	Chromosomal localization of the locus PGM (phosphoglucomutase) inDrosophila buzzatii. Experientia, 1985, 41, 507-508.	1.2	2

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73	Differential response to environmental alcohol among second-chromosome arrangements in experimental populations of Drosophila buzzatii. Genetica, 1987, 75, 219-229.	1.1	2
74	On the phylogeny of the Drosophila hydei subgroup: New insights from combined analyses of nuclear and mitochondrial data. Molecular Phylogenetics and Evolution, 2007, 43, 1198-1205.	2.7	2
75	GENOTYPE-TEMPERATURE INTERACTION IN DROSOPHILA MELANOGASTER. II. BODY WEIGHT. Genetics, 1973, 73, 125-134.	2.9	2
76	Frequency-Dependent Mating in a Modified Allozyme Locus of Drosophila pseudoobscura. Evolution; International Journal of Organic Evolution, 1979, 33, 634.	2.3	1
77	On the Distribution and the Cactiphilic Niche of Drosophila martensis in Venezuela. Biotropica, 1984, 16, 120.	1.6	1
78	The evolutionary history of Drosophila buzzatii. XVII. Double mating and sperm predominance. Genetique, Selection, Evolution, 1991, 23, 133-140.	0.0	0
79	Breeding structure of Drosophila buzzatii in relation to competition in prickly pears (Opuntia) Tj ETQq1 1 0.784314 rgBT /Overlock 10	3.0	0