Francisco RodrÃ-guez-Trelles

List of Publications by Year
in descending order

43	1,913	236925 25	254184 43
papers	citations	h-index	g-index

44	44	44	2206
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Origins and Evolution of Spliceosomal Introns. Annual Review of Genetics, 2006, 40, 47-76.	7.6	182
2	Rapid micro-evolution and loss of chromosomal diversity in Drosophila in response to climate warming. Evolutionary Ecology, 1998, 12, 829-838.	1.2	157
3	Convergent neofunctionalization by positive Darwinian selection after ancient recurrent duplications of the xanthine dehydrogenase gene. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 13413-13417.	7.1	124
4	A methodological bias toward overestimation of molecular evolutionary time scales. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 8112-8115.	7.1	110
5	Genome-wide evolutionary response to a heat wave in <i>Drosophila</i>. Biology Letters, 2013, 9, 20130228.	2.3	92
6	Shared Nucleotide Composition Biases Among Species and Their Impact on Phylogenetic Reconstructions of the Drosophilidae. Molecular Biology and Evolution, 2001, 18, 1464-1473.	8.9	91
7	Ribonucleotide Reductases: Divergent Evolution of an Ancient Enzyme. Journal of Molecular Evolution, 2002, 55, 138-152.	1.8	88
8	Time-Series Analysis of Seasonal Changes of the <i>O</i> Inversion Polymorphism of <i>Drosophila subobscura</i>. Genetics, 1996, 142, 179-187.	2.9	88
9	â€˜Costa da Morteâ€™ ataxia is spinocerebellar ataxia 36: clinical and genetic characterization. Brain, 2012, 135, 1423-1435.	7.6	78
10	Erratic overdispersion of three molecular clocks: GPDH, SOD, and XDH. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 11405-11410.	7.1	62
11	Tree Rooting with Outgroups When They Differ in Their Nucleotide Composition from the Ingroup: The Drosophila saltans and willistoni Groups, a Case Study. Molecular Phylogenetics and Evolution, 2000, 16, 344-349.	2.7	60
12	Climate change and chromosomal inversions in Drosophila subobscura. Climate Research, 2010, 43, 103-114.	1.1	55
13	New Drosophila introns originate by duplication. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 1658-1662.	7.1	54
14	Switch in Codon Bias and Increased Rates of Amino Acid Substitution in the Drosophila saltans Species Group. Genetics, 1999, 153, 339-350.	2.9	50
15	A novel MYH7 mutation links congenital fiber type disproportion and myosin storage myopathy. Neuromuscular Disorders, 2011, 21, 254-262.	0.6	47
16	Plant progesterone 5Î²-reductase is not homologous to the animal enzyme. Molecular evolutionary characterization of P5Î²R from Digitalis purpurea. Phytochemistry, 2007, 68, 853-864.	2.9	43
17	Fluctuating Mutation Bias and the Evolution of Base Composition in Drosophila. Journal of Molecular Evolution, 2000, 50, 1-10.	1.8	40
18	Evidence for a High Ancestral GC Content in Drosophila. Molecular Biology and Evolution, 2000, 17, 1710-1717.	8.9	36

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19	A new Drosophila spliceosomal intron position is common in plants. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 6580-6583.	7.1	35
20	Is ectopic expression caused by deregulatory mutations or due to gene-regulation leaks with evolutionary potential?. BioEssays, 2005, 27, 592-601.	2.5	35
21	Alternative splicing: A missing piece in the puzzle of intron gain. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 7223-7228.	7.1	35
22	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
23	Molecular Evolution of Two Linked Genes, Est-6 and Sod, in Drosophila melanogaster. Genetics, 1999, 153, 1357-1369.	2.9	31
24	Evolution of cis-regulatory regions versus codifying regions. International Journal of Developmental Biology, 2003, 47, 665-73.	0.6	30
25	Molecular Evolution and Phylogeny of the Drosophila saltans Species Group Inferred from the Xdh Gene. Molecular Phylogenetics and Evolution, 1999, 13, 110-121.	2.7	28
26	SEASONAL CYCLES OF ALLOZYME-BY-CHROMOSOMAL-INVERSION GAMETIC DISEQUILIBRIUM IN DROSOPHILA SUBOBSCURA. Evolution; International Journal of Organic Evolution, 2003, 57, 839-848.	2.3	25
27	Tracking the Genetic Effects of Global Warming: Drosophila and Other Model Systems. Ecology and Society, 1998, 2, .	0.9	24
28	Expression of thermal tolerance genes in two Drosophila species with different acclimation capacities. Journal of Thermal Biology, 2019, 84, 200-207.	2.5	17
29	A LONG-TERM STUDY ON SEASONAL CHANGES OF GAMETIC DISEQUILIBRIUM BETWEEN ALLOZYMES AND INVERSIONS IN DROSOPHILA SUBOBSCURA. Evolution; International Journal of Organic Evolution, 2000, 54, 1673-1679.	2.3	16
30	Chromosomal inversions promote genomic islands of concerted evolution of <i>Hsp70</i> genes in the <i>Drosophila subobscura</i> species subgroup. Molecular Ecology, 2019, 28, 1316-1332.	3.9	16
31	The Vein Patterning 1 (VEP1) Gene Family Laterally Spread through an Ecological Network. PLoS ONE, 2011, 6, e22279.	2.5	16
32	Long-read based assembly and synteny analysis of a reference Drosophila subobscura genome reveals signatures of structural evolution driven by inversions recombination-suppression effects. BMC Genomics, 2019, 20, 223.	2.8	15
33	Eradication Thresholds in Epidemiology, Conservation Biology and Genetics. Journal of Theoretical Biology, 1998, 192, 415-418.	1.7	14
34	Measuring evolutionary responses to global warming: cautionary lessons from<i>Drosophila</i>. Insect Conservation and Diversity, 2010, 3, 44-50.	3.0	14
35	Response to Comment on "Global Genetic Change Tracks Global Climate Warming in Drosophila subobscura". Science, 2007, 315, 1497b-1497b.	12.6	11
36	Models of spliceosomal intron proliferation in the face of widespread ectopic expression. Gene, 2006, 366, 201-208.	2.2	9

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37	Disparate Evolution of Paralogous Introns in the Xdh Gene of Drosophila. Journal of Molecular Evolution, 2000, 50, 123-130.	1.8	8
38	Xanthine Dehydrogenase (XDH): Episodic Evolution of a ``Neutral'' Protein. Journal of Molecular Evolution, 2001, 53, 485-495.	1.8	8
39	PRESUMPTIVE RAPID SPECIATION AFTER A FOUNDER EVENT IN A LABORATORY POPULATION OF<i>NEREIS</i>: ALLOZYME ELECTROPHORETIC EVIDENCE DOES NOT SUPPORT THE HYPOTHESIS. Evolution; International Journal of Organic Evolution, 1996, 50, 457-461.	2.3	6
40	Evolutionary genetics: Transcriptome evolution â€“ much ado about nothing?. Heredity, 2004, 93, 405-406.	2.6	5
41	Presumptive Rapid Speciation After a Founder Event in a Laboratory Population of Nereis: Allozyme Electrophoretic Evidence Does not Support the Hypotheses. Evolution; International Journal of Organic Evolution, 1996, 50, 457.	2.3	4
42	The Cyclically Seasonal Drosophila subobscura Inversion O7 Originated From Fragile Genomic Sites and Relocated Immunity and Metabolic Genes. Frontiers in Genetics, 2020, 11, 565836.	2.3	4
43	SEASONAL CYCLES OF ALLOZYME-BY-CHROMOSOMAL-INVERSION GAMETIC DISEQUILIBRIUM IN DROSOPHILA SUBOBSCURA. Evolution; International Journal of Organic Evolution, 2003, 57, 839.	2.3	0