Francisco RodrÃ-guez-Trelles

List of Publications by Year
in descending order

43 papers	1,913 citations	236925 25 h-index	254184 43 g-index
44 all docs	44 docs citations	44 times ranked	2206 citing authors

#	Article	IF	Citations
1	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
2	Expression of thermal tolerance genes in two Drosophila species with different acclimation capacities. Journal of Thermal Biology, 2019, 84, 200-207.	2.5	17
3	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
4	Chromosomal inversions promote genomic islands of concerted evolution of Hsp70 genes in the Drosophila subobscura species subgroup. Molecular Ecology, 2019, 28, 1316-1332.	3.9	16
5	Genome-wide evolutionary response to a heat wave in Drosophila. Biology Letters, 2013, 9, 20130228.	2.3	92
6	â€˜Costa da Morteâ€™ ataxia is spinocerebellar ataxia 36: clinical and genetic characterization. Brain, 2012, 135, 1423-1435.	7.6	78
7	A novel MYH7 mutation links congenital fiber type disproportion and myosin storage myopathy. Neuromuscular Disorders, 2011, 21, 254-262.	0.6	47
8	The Vein Patterning 1 (VEP1) Gene Family Laterally Spread through an Ecological Network. PLoS ONE, 2011, 6, e22279.	2.5	16
9	Measuring evolutionary responses to global warming: cautionary lessons fromDrosophila. Insect Conservation and Diversity, 2010, 3, 44-50.	3.0	14
10	Climate change and chromosomal inversions in Drosophila subobscura. Climate Research, 2010, 43, 103-114.	1.1	55
11	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
12	Response to Comment on "Global Genetic Change Tracks Global Climate Warming in Drosophila subobscura". Science, 2007, 315, 1497b-1497b.	12.6	11
13	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
14	Origins and Evolution of Spliceosomal Introns. Annual Review of Genetics, 2006, 40, 47-76.	7.6	182
15	Models of spliceosomal intron proliferation in the face of widespread ectopic expression. Gene, 2006, 366, 201-208.	2.2	9
16	Is ectopic expression caused by deregulatory mutations or due to gene-regulation leaks with evolutionary potential?. BioEssays, 2005, 27, 592-601.	2.5	35
17	Evolutionary genetics: Transcriptome evolution â€“ much ado about nothing?. Heredity, 2004, 93, 405-406.	2.6	5
18	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

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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	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
21	SEASONAL CYCLES OF ALLOZYME-BY-CHROMOSOMAL-INVERSION GAMETIC DISEQUILIBRIUM IN DROSOPHILA SUBOBSCURA. Evolution; International Journal of Organic Evolution, 2003, 57, 839.	2.3	0
22	Evolution of cis-regulatory regions versus codifying regions. International Journal of Developmental Biology, 2003, 47, 665-73.	0.6	30
23	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
24	Ribonucleotide Reductases: Divergent Evolution of an Ancient Enzyme. Journal of Molecular Evolution, 2002, 55, 138-152.	1.8	88
25	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
26	Xanthine Dehydrogenase (XDH): Episodic Evolution of a ``Neutral'' Protein. Journal of Molecular Evolution, 2001, 53, 485-495.	1.8	8
27	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
28	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
29	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
30	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
31	Fluctuating Mutation Bias and the Evolution of Base Composition in Drosophila. Journal of Molecular Evolution, 2000, 50, 1-10.	1.8	40
32	Disparate Evolution of Paralogous Introns in the Xdh Gene of Drosophila. Journal of Molecular Evolution, 2000, 50, 123-130.	1.8	8
33	Evidence for a High Ancestral GC Content in Drosophila. Molecular Biology and Evolution, 2000, 17, 1710-1717.	8.9	36
34	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
35	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
36	Molecular Evolution of Two Linked Genes, Est-6 and Sod, in Drosophila melanogaster. Genetics, 1999, 153, 1357-1369.	2.9	31

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37	Rapid micro-evolution and loss of chromosomal diversity in Drosophila in response to climate warming. Evolutionary Ecology, 1998, 12, 829-838.	1.2	157
38	Eradication Thresholds in Epidemiology, Conservation Biology and Genetics. Journal of Theoretical Biology, 1998, 192, 415-418.	1.7	14
39	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
40	Tracking the Genetic Effects of Global Warming: Drosophila and Other Model Systems. Ecology and Society, 1998, 2, .	0.9	24
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	PRESUMPTIVE RAPID SPECIATION AFTER A FOUNDER EVENT IN A LABORATORY POPULATION OFNEREIS: ALLOZYME ELECTROPHORETIC EVIDENCE DOES NOT SUPPORT THE HYPOTHESIS. Evolution; International Journal of Organic Evolution, 1996, 50, 457-461.	2.3	6
43	Time-Series Analysis of Seasonal Changes of the O Inversion Polymorphism of Drosophila subobscura. Genetics, 1996, 142, 179-187.	2.9	88