

Carlos A Machado

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

6,607
citations

159585

30
h-index

182427

51
g-index

57
all docs

57
docs citations

57
times ranked

7549
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	Genomes of 13 domesticated and wild rice relatives highlight genetic conservation, turnover and innovation across the genus <i>Oryza</i> . <i>Nature Genetics</i> , 2018, 50, 285-296.	21.4	413
3	The genome sequence of African rice (<i>Oryza glaberrima</i>) and evidence for independent domestication. <i>Nature Genetics</i> , 2014, 46, 982-988.	21.4	342
4	Inferring the History of Speciation from Multilocus DNA Sequence Data: The Case of <i>Drosophila pseudoobscura</i> and Close Relatives. <i>Molecular Biology and Evolution</i> , 2002, 19, 472-488.	8.9	299
5	Nucleotide sequences provide evidence of genetic exchange among distantly related lineages of <i>Trypanosoma cruzi</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001, 98, 7396-7401.	7.1	298
6	Cryptic species of fig-pollinating wasps: Implications for the evolution of the fig-wasp mutualism, sex allocation, and precision of adaptation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 5867-5872.	7.1	262
7	Testing Hamilton's rule with competition between relatives. <i>Nature</i> , 2001, 409, 510-513.	27.8	253
8	The study of structured populations " new hope for a difficult and divided science. <i>Nature Reviews Genetics</i> , 2003, 4, 535-543.	16.3	228
9	Phylogenetic relationships, historical biogeography and character evolution of fig-pollinating wasps. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2001, 268, 685-694.	2.6	225
10	Critical review of host specificity and its coevolutionary implications in the fig/fig-wasp mutualism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 6558-6565.	7.1	224
11	60 million years of co-divergence in the fig-wasp symbiosis. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2005, 272, 2593-2599.	2.6	201
12	Polytene Chromosomal Maps of 11 <i>Drosophila</i> Species: The Order of Genomic Scaffolds Inferred From Genetic and Physical Maps. <i>Genetics</i> , 2008, 179, 1601-1655.	2.9	191
13	The causes of phylogenetic conflict in a classic <i>Drosophila</i> species group. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2003, 270, 1193-1202.	2.6	158
14	Molecular phylogenies of figs and their pollinator wasps. <i>Journal of Biogeography</i> , 1996, 23, 521-530.	3.0	134
15	Uncovering evolutionary patterns of gene expression using microarrays. <i>Trends in Ecology and Evolution</i> , 2006, 21, 29-37.	8.7	116
16	Functional genomics of cactus host shifts in <i>Drosophila mojavensis</i> . <i>Molecular Ecology</i> , 2006, 15, 4635-4643.	3.9	105
17	Divergence Between the <i>Drosophila pseudoobscura</i> and <i>D. persimilis</i> Genome Sequences in Relation to Chromosomal Inversions. <i>Genetics</i> , 2007, 177, 1417-1428.	2.9	97
18	Evaluation of the Genomic Extent of Effects of Fixed Inversion Differences on Intraspecific Variation and Interspecific Gene Flow in <i>Drosophila pseudoobscura</i> and <i>D. persimilis</i> . <i>Genetics</i> , 2007, 175, 1289-1306.	2.9	93

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19	The distribution of Wolbachia in fig wasps: correlations with host phylogeny, ecology and population structure. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2002, 269, 2257-2267.	2.6	92
20	Host-specificity and coevolution among pollinating and nonpollinating New World fig wasps. <i>Molecular Ecology</i> , 2007, 16, 1925-1946.	3.9	89
21	Molecular phylogenies of fig pollinating and non-pollinating wasps and the implications for the origin and evolution of the fig-fig wasp mutualism. <i>Journal of Biogeography</i> , 1996, 23, 531-542.	3.0	74
22	Inbreeding and population structure in two pairs of cryptic fig wasp species. <i>Molecular Ecology</i> , 2004, 13, 1613-1623.	3.9	58
23	Analyses of 32 Loci Clarify Phylogenetic Relationships among <i>Trypanosoma cruzi</i> Lineages and Support a Single Hybridization prior to Human Contact. <i>PLoS Neglected Tropical Diseases</i> , 2011, 5, e1272.	3.0	56
24	Multilocus nuclear sequences reveal intra- and interspecific relationships among chromosomally polymorphic species of cactophilic <i>Drosophila</i> . <i>Molecular Ecology</i> , 2007, 16, 3009-3024.	3.9	53
25	Evolution of Sex-Dependent Gene Expression in Three Recently Diverged Species of <i>Drosophila</i> . <i>Genetics</i> , 2009, 183, 1175-1185.	2.9	48
26	Molecular dating and biogeography of fig-pollinating wasps. <i>Molecular Phylogenetics and Evolution</i> , 2009, 52, 715-726.	2.7	47
27	The survival of PCR-amplifiable DNA in cow leather. <i>Journal of Archaeological Science</i> , 2007, 34, 823-829.	2.4	44
28	The incidence and pattern of copollinator diversification in dioecious and monoecious figs. <i>Evolution; International Journal of Organic Evolution</i> , 2015, 69, 294-304.	2.3	43
29	Transcriptome of the adult female malaria mosquito vector <i>Anopheles albimanus</i> . <i>BMC Genomics</i> , 2012, 13, 207.	2.8	38
30	Selective Regime and Fig Wasp Sex Ratios: Toward Sorting Rigor from Pseudo-Rigor in Tests of Adaptation. , 2001, , 191-218.		38
31	Lack of genetic isolation by distance, similar genetic structuring but different demographic histories in a fig-pollinating wasp mutualism. <i>Molecular Ecology</i> , 2015, 24, 5976-5991.	3.9	36
32	Sequence variation in the dihydrofolate reductase-thymidylate synthase (DHFR-TS) and trypanothione reductase (TR) genes of <i>Trypanosoma cruzi</i> . <i>Molecular and Biochemical Parasitology</i> , 2002, 121, 33-47.	1.1	32
33	Genomic evidence of prevalent hybridization throughout the evolutionary history of the fig-wasp pollination mutualism. <i>Nature Communications</i> , 2021, 12, 718.	12.8	31
34	Genome Evolution in Three Species of Cactophilic <i>Drosophila</i> . <i>G3: Genes, Genomes, Genetics</i> , 2016, 6, 3097-3105.	1.8	30
35	Inferring processes of coevolutionary diversification in a community of Panamanian strangler figs and associated pollinating wasps*. <i>Evolution; International Journal of Organic Evolution</i> , 2019, 73, 2295-2311.	2.3	30
36	Molecular mechanisms of mutualistic and antagonistic interactions in a plant-pollinator association. <i>Nature Ecology and Evolution</i> , 2021, 5, 974-986.	7.8	30

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37	Culture-Free Survey Reveals Diverse and Distinctive Fungal Communities Associated with Developing Figs (<i>Ficus</i> spp.) in Panama. <i>Microbial Ecology</i> , 2012, 64, 1073-1084.	2.8	28
38	Permanent Genetic Resources added to Molecular Ecology Resources Database 1 August 2012 – 30 September 2012. <i>Molecular Ecology Resources</i> , 2013, 13, 158-159.	4.8	26
39	Comparative Expression Dynamics of Intergenic Long Noncoding RNAs in the Genus <i>Drosophila</i> . <i>Genome Biology and Evolution</i> , 2016, 8, 1839-1858.	2.5	26
40	Metatranscriptome Analysis of Fig Flowers Provides Insights into Potential Mechanisms for Mutualism Stability and Call Induction. <i>PLoS ONE</i> , 2015, 10, e0130745.	2.5	24
41	Relative investment in egg load and poison sac in fig wasps: Implications for physiological mechanisms underlying seed and wasp production in figs. <i>Acta Oecologica</i> , 2014, 57, 58-66.	1.1	22
42	Evolutionary History of Microsatellites in the Obscura Group of <i>Drosophila</i> . <i>Molecular Biology and Evolution</i> , 2001, 18, 551-556.	8.9	19
43	Enrichment of mRNA-like Noncoding RNAs in the Divergence of <i>Drosophila</i> Males. <i>Molecular Biology and Evolution</i> , 2011, 28, 1339-1348.	8.9	11
44	Anonymous and EST-based microsatellite DNA markers that transfer broadly across the fig tree genus (<i>Ficus</i>) Tj ETQq0,0,0 rgBT (Overlock 1	1.7	9
45	Evolution of GSTD1 in Cactophilic <i>Drosophila</i> . <i>Journal of Molecular Evolution</i> , 2017, 84, 285-294.	1.8	6
46	Genome-wide sequence data show no evidence of hybridization and introgression among pollinator wasps associated with a community of Panamanian strangler figs. <i>Molecular Ecology</i> , 2022, 31, 2106-2123.	3.9	6
47	Phylogenetic diversity of two common <i>Trypanosoma cruzi</i> lineages in the Southwestern United States. <i>Infection, Genetics and Evolution</i> , 2022, 99, 105251.	2.3	6
48	Community Structure and Undescribed Species Diversity in Non-Pollinating Fig Wasps Associated with the Strangler Fig <i>Ficus petiolaris</i> . <i>Insect Systematics and Diversity</i> , 2020, 4, .	1.7	5
49	Differences in inferred genome-wide signals of positive selection during the evolution of <i>Trypanosoma cruzi</i> and <i>Leishmania</i> spp. lineages: A result of disparities in host and tissue infection ranges?. <i>Infection, Genetics and Evolution</i> , 2015, 33, 37-46.	2.3	4
50	Inversions shape the divergence of <i>Drosophila pseudoobscura</i> and <i>Drosophila persimilis</i> on multiple timescales. <i>Evolution; International Journal of Organic Evolution</i> , 2021, 75, 1820-1834.	2.3	3
51	Host specificity, phenotype matching and the evolution of reproductive isolation in a coevolved plant-pollinator mutualism. <i>Molecular Ecology</i> , 2009, 18, 4988-4990.	3.9	1