

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 | 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 |
| 2 | 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 |
| 3 | 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 |
| 4 | 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 |
| 5 | 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 |
| 6 | 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 |
| 7 | 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 |
| 8 | 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 |
| 9 | Evolution of <i>GSTD1</i> in Cactophilic <i>Drosophila</i> . <i>Journal of Molecular Evolution</i> , 2017, 84, 285-294. | 1.8 | 6 |
| 10 | 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 |
| 11 | Genome Evolution in Three Species of Cactophilic <i>Drosophila</i> . <i>G3: Genes, Genomes, Genetics</i> , 2016, 6, 3097-3105. | 1.8 | 30 |
| 12 | 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 |
| 13 | 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 |
| 14 | 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 |
| 15 | Metatranscriptome Analysis of Fig Flowers Provides Insights into Potential Mechanisms for Mutualism Stability and Gall Induction. <i>PLoS ONE</i> , 2015, 10, e0130745. | 2.5 | 24 |
| 16 | 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 |
| 17 | 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 |
| 18 | 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 |

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|----|---|------|-----------|
| 19 | Anonymous and EST-based microsatellite DNA markers that transfer broadly across the fig tree genus (<i>Ficus</i>) | 1.7 | 14 |
| 20 | Transcriptome of the adult female malaria mosquito vector <i>Anopheles albimanus</i> . <i>BMC Genomics</i> , 2012, 13, 207. | 2.8 | 38 |
| 21 | 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 |
| 22 | 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 |
| 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 | 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 |
| 25 | 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 |
| 26 | Molecular dating and biogeography of fig-pollinating wasps. <i>Molecular Phylogenetics and Evolution</i> , 2009, 52, 715-726. | 2.7 | 47 |
| 27 | 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 |
| 28 | 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 |
| 29 | 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 |
| 30 | The survival of PCR-amplifiable DNA in cow leather. <i>Journal of Archaeological Science</i> , 2007, 34, 823-829. | 2.4 | 44 |
| 31 | Evolution of genes and genomes on the <i>Drosophila</i> phylogeny. <i>Nature</i> , 2007, 450, 203-218. | 27.8 | 1,886 |
| 32 | Host-specificity and coevolution among pollinating and nonpollinating New World fig wasps. <i>Molecular Ecology</i> , 2007, 16, 1925-1946. | 3.9 | 89 |
| 33 | 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 |
| 34 | Uncovering evolutionary patterns of gene expression using microarrays. <i>Trends in Ecology and Evolution</i> , 2006, 21, 29-37. | 8.7 | 116 |
| 35 | Functional genomics of cactus host shifts in <i>Drosophila mojavensis</i> . <i>Molecular Ecology</i> , 2006, 15, 4635-4643. | 3.9 | 105 |
| 36 | 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 |

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|----|---|------|-----------|
| 37 | 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 |
| 38 | Inbreeding and population structure in two pairs of cryptic fig wasp species. <i>Molecular Ecology</i> , 2004, 13, 1613-1623. | 3.9 | 58 |
| 39 | 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 |
| 40 | 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 |
| 41 | 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 |
| 42 | The distribution of <i>Wolbachia</i> 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 |
| 43 | 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 |
| 44 | 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 |
| 45 | 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 |
| 46 | Testing Hamilton's rule with competition between relatives. <i>Nature</i> , 2001, 409, 510-513. | 27.8 | 253 |
| 47 | 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 |
| 48 | 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 |
| 49 | Selective Regime and Fig Wasp Sex Ratios: Toward Sorting Rigor from Pseudo-Rigor in Tests of Adaptation. , 2001, , 191-218. | | 38 |
| 50 | Molecular phylogenies of figs and their pollinator wasps. <i>Journal of Biogeography</i> , 1996, 23, 521-530. | 3.0 | 134 |
| 51 | Molecular phylogenies of fig pollinating and non-pollinating wasps and the implications for the origin and evolution of the fig-wasp mutualism. <i>Journal of Biogeography</i> , 1996, 23, 531-542. | 3.0 | 74 |