Diogo Cavalcanti Cabral-de-Mello

List of Publications by Year
in descending order

79 papers	1,908 citations	257357 24 h-index	315616 38 g-index

81 all docs	81 docs citations	81 times ranked	1226 citing authors

#	Article	IF	Citations
1	Origin and Evolution of B Chromosomes in the Cichlid Fish Astatotilapia latifasciata Based on Integrated Genomic Analyses. Molecular Biology and Evolution, 2014, 31, 2061-2072.	3.5	112
2	Chromosomal mapping of repetitive DNAs in the beetle Dichotomius geminatus provides the first evidence for an association of 5S rRNA and histone H3 genes in insects, and repetitive DNA similarity between the B chromosome and A complement. Heredity, 2010, 104, 393-400.	1.2	99
3	Chromosomal Mapping of Repetitive DNAs in the Grasshopper Abracris flavolineata Reveal Possible Ancestry of the B Chromosome and H3 Histone Spreading. PLoS ONE, 2013, 8, e66532.	1.1	91
4	Chromosome differentiation patterns during cichlid fish evolution. BMC Genetics, 2010, 11, 50.	2.7	74
5	Chromosomal organization of the 18S and 5S rRNAs and histone H3 genes in Scarabaeinae coleopterans: insights into the evolutionary dynamics of multigene families and heterochromatin. BMC Genetics, 2011, 12, 88.	2.7	62
6	Evolutionary dynamics of rRNA gene clusters in cichlid fish. BMC Evolutionary Biology, 2012, 12, 198.	3.2	62
7	Evolutionary dynamics of 5S rDNA location in acridid grasshoppers and its relationship with H3 histone gene and 45S rDNA location. Genetica, 2011, 139, 921-931.	0.5	53
8	Tracking the evolution of sex chromosome systems in Melanoplinae grasshoppers through chromosomal mapping of repetitive DNA sequences. BMC Evolutionary Biology, 2013, 13, 167.	3.2	53
9	A step to the gigantic genome of the desert locust: chromosome sizes and repeated DNAs. Chromosoma, 2015, 124, 263-275.	1.0	53
10	Dynamic sex chromosome expression in Drosophila male germ cells. Nature Communications, 2021, 12, 892.	5.8	53
11	Genomic organization and comparative chromosome mapping of the U1 snRNA gene in cichlid fish, with an emphasis in Oreochromis niloticus. Chromosome Research, 2012, 20, 279-292.	1.0	49
12	High-throughput analysis of the satellitome revealed enormous diversity of satellite DNAs in the neo-Y chromosome of the cricket Eneoptera surinamensis. Scientific Reports, 2017, 7, 6422.	1.6	48
13	Toxicogenetic effects of low concentrations of the pesticides imidacloprid and sulfentrazone individually and in combination in in vitro tests with HepG2 cells and Salmonella typhimurium. Ecotoxicology and Environmental Safety, 2015, 120, 174-183.	2.9	43
14	Organization of Repeated DNA Elements in the Genome of the Cichlid Fish <i>Cichla kelberi</i> and Its Contributions to the Knowledge of Fish Genomes. Cytogenetic and Genome Research, 2009, 125, 224-234.	0.6	42
15	Cytogenetic Mapping of rRNAs and Histone H3 Genes in 14 Species of Dichotomius (Coleoptera,) Tj ETQq1 1 0.784314 rgBT /Overloc	0.6	41
16	Genomic content and new insights on the origin of the B chromosome of the cichlid fish Astatotilapia latifasciata. Genetica, 2011, 139, 1273-1282.	0.5	40
17	Microsatellite Organization in the Grasshopper Abracris flavolineata (Orthoptera: Acrididae) Revealed by FISH Mapping: Remarkable Spreading in the A and B Chromosomes. PLoS ONE, 2014, 9, e97956.	1.1	38
18	Chromosomal mapping of rDNAs and H3 histone sequences in the grasshopper rhammatocerus brasiliensis (acrididae, gomphocerinae): extensive chromosomal dispersion and co-localization of 5S rDNA/H3 histone clusters in the A complement and B chromosome. Molecular Cytogenetics, 2011, 4, 24.	0.4	34

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19	Cytogenetic Mapping of 5S and 18S rRNAs and H3 Histone Genes in 4 Ancient Proscopiidae Grasshopper Species: Contribution to Understanding the Evolutionary Dynamics of Multigene Families. Cytogenetic and Genome Research, 2011, 132, 89-93.	0.6	33
20	The repetitive DNA element BncDNA, enriched in the B chromosome of the cichlid fish Astatotilapia latifasciata, transcribes a potentially noncoding RNA. Chromosoma, 2017, 126, 313-323.	1.0	31
21	Eight Million Years of Satellite DNA Evolution in Grasshoppers of the Genus Schistocerca Illuminate the Ins and Outs of the Library Hypothesis. Genome Biology and Evolution, 2020, 12, 88-102.	1.1	30
22	Evolutionary dynamics of heterochromatin in the genome of Dichotomius beetles based on chromosomal analysis. Genetica, 2011, 139, 315-325.	0.5	29
23	Centromeric enrichment of LINE-1 retrotransposons and its significance for the chromosome evolution of Phyllostomid bats. Chromosome Research, 2017, 25, 313-325.	1.0	29
24	More sex chromosomes than autosomes in the Amazonian frog Leptodactylus pentadactylus. Chromosoma, 2018, 127, 269-278.	1.0	27
25	Repetitive DNAs in Melipona scutellaris (Hymenoptera: Apidae: Meliponidae): chromosomal distribution and test of multiple heterochromatin amplification in the genus. Apidologie, 2018, 49, 497-504.	0.9	27
26	Universal fluorescence in situ hybridization (FISH) protocol for mapping repetitive DNAs in insects and other arthropods. Molecular Genetics and Genomics, 2021, 296, 513-526.	1.0	27
27	Neo-sex chromosomes of Ronderosia bergi: insight into the evolution of sex chromosomes in grasshoppers. Chromosoma, 2015, 124, 353-365.	1.0	26
28	High dynamism for neo-sex chromosomes: satellite DNAs reveal complex evolution in a grasshopper. Heredity, 2020, 125, 124-137.	1.2	25
29	The Role of Satellite DNAs in Genome Architecture and Sex Chromosome Evolution in Crambidae Moths. Frontiers in Genetics, 2021, 12, 661417.	1.1	25
30	Karyotype differentiation patterns in species of the subfamily Scarabaeinae (Scarabaeidae, Coleoptera). Micron, 2008, 39, 1243-1250.	1.1	23
31	Repetitive DNA chromosomal organization in the cricket Cycloptiloides americanus: a case of the unusual X1X20 sex chromosome system in Orthoptera. Molecular Genetics and Genomics, 2015, 290, 623-631.	1.0	23
32	U1 snDNA clusters in grasshoppers: chromosomal dynamics and genomic organization. Heredity, 2015, 114, 207-219.	1.2	22
33	B chromosomes of multiple species have intense evolutionary dynamics and accumulated genes related to important biological processes. BMC Genomics, 2020, 21, 656.	1.2	22
34	Satellite DNAs Unveil Clues about the Ancestry and Composition of B Chromosomes in Three Grasshopper Species. Genes, 2018, 9, 523.	1.0	21
35	Chromosomal evolutionary dynamics of four multigene families in Coreidae and Pentatomidae (Heteroptera) true bugs. Molecular Genetics and Genomics, 2016, 291, 1919-1925.	1.0	19
36	Contrasting the Chromosomal Organization of Repetitive DNAs in Two Gryllidae Crickets with Highly Divergent Karyotypes. PLoS ONE, 2015, 10, e0143540.	1.1	19

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37	Satellite DNAs are conserved and differentially transcribed among Gryllus cricket species. DNA Research, 2018, 25, 137-147.	1.5	18
38	Chromosomal mapping of two Mariner-like elements in the grasshopper Abracris flavolineata (Orthoptera: Acrididae) reveals enrichment in euchromatin. European Journal of Entomology, 2014, 111, 329-334.	1.2	17
39	Karyotypes and Repetitive DNA Evolution in Six Species of the Genus <i>Mahanarva </i>(Auchenorrhyncha: Cercopidae). Cytogenetic and Genome Research, 2016, 149, 321-327.	0.6	16
40	Comparative cytogenetics of three species of Dichotomius (Coleoptera, Scarabaeidae). Genetics and Molecular Biology, 2009, 32, 276-280.	0.6	15
41	Are the TTAGG and TTAGGG telomeric repeats phylogenetically conserved in aculeate Hymenoptera?. Die Naturwissenschaften, 2017, 104, 85.	0.6	15
42	How dynamic could be the 45S rDNA cistron? An intriguing variability in a grasshopper species revealed by integration of chromosomal and genomic data. Chromosoma, 2019, 128, 165-175.	1.0	14
43	Cytogenetic analysis of two related Deltochilum (Coleoptera, Scarabaeidae) species: Diploid number reduction, extensive heterochromatin addition and differentiation. Micron, 2010, 41, 112-117.	1.1	13
44	Comparative cytogenetics of ten species of cichlid fishes (Teleostei, Cichlidae) from the Araguaia River system, Brazil, by conventional cytogenetic methods. Comparative Cytogenetics, 2012, 6, 163-181.	0.3	13
45	Patterns of rDNA and telomeric sequences diversification: contribution to repetitive DNA organization in Phyllostomidae bats. Genetica, 2014, 142, 49-58.	0.5	13
46	Uncovering the evolutionary history of neo-XY sex chromosomes in the grasshopper Ronderosia bergii (Orthoptera, Melanoplinae) through satellite DNA analysis. BMC Evolutionary Biology, 2018, 18, 2.	3.2	13
47	Analysis of Holhymenia histrio genome provides insight into the satDNA evolution in an insect with holocentric chromosomes. Chromosome Research, 2020, 28, 369-380.	1.0	13
48	Chromosomal organization and evolutionary history of Mariner transposable elements in Scarabaeinae coleopterans. Molecular Cytogenetics, 2013, 6, 54.	0.4	11
49	High similarity of U2 snDNA sequence between A and B chromosomes in the grasshopper Abracris flavolineata. Molecular Genetics and Genomics, 2015, 290, 1787-1792.	1.0	11
50	The relevance of chromosome fissions for major ribosomal DNA dispersion in hymenopteran insects. Journal of Evolutionary Biology, 2021, 34, 1466-1476.	0.8	11
51	The extensive amplification of heterochromatin in Melipona bees revealed by high throughput genomic and chromosomal analysis. Chromosoma, 2021, 130, 251-262.	1.0	11
52	Cytogenetic characterization of Eurysternus caribaeus (Coleoptera: Scarabaeidae): evidence of sex-autosome fusion and diploid number reduction prior to species dispersion. Journal of Genetics, 2009, 88, 177-182.	0.4	10
53	Phosphorylation of Histone H3S10 in Animal Chromosomes: Is There a Uniform Pattern?. Cytogenetic and Genome Research, 2011, 135, 111-117.	0.6	10
54	Heterochromatin, Sex Chromosomes and rRNA Gene Clusters in <i>Coprophanaeus</i> Beetles (Coleoptera, Scarabaeidae). Cytogenetic and Genome Research, 2012, 138, 46-55.	0.6	10

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55	Uncovering the molecular organization of unusual highly scattered 5S rDNA: The case of Chariesterus armatus (Heteroptera). Gene, 2018, 646, 153-158.	1.0	10
56	Chromosome evolution and phylogeny in Ronderosia (Orthoptera, Acrididae, Melanoplinae): clues of survivors to the challenge of sympatry?. Systematic Entomology, 2019, 44, 61-74.	1.7	10
57	Karyotype changes in long-term cultured tick cell lines. Scientific Reports, 2020, 10, 13443.	1.6	10
58	Out of patterns, the euchromatic B chromosome of the grasshopper Abracris flavolineata is not enriched in high-copy repeats. Heredity, 2021, 127, 475-483.	1.2	10
59	Highest Diploid Number Among Gymnotiformes: First Cytogenetic Insights into Rhabdolichops (Sternopygidae). Zebrafish, 2017, 14, 272-279.	0.5	9
60	The satellite DNA AflaSAT-1 in the A and B chromosomes of the grasshopper Abracris flavolineata. BMC Genetics, 2017, 18, 81.	2.7	8
61	Insights into the karyotype evolution and speciation of the beetle Euchroma gigantea (Coleoptera:) Tj ETQq1 1 0.784314 rgBT /Overlo	1.0	8
62	Karyotype characterization of Eurysternus caribaeus: The smallest diploid number among Scarabaeidae (Coleoptera: Scarabaeoidea). Micron, 2007, 38, 323-325.	1.1	7
63	Heterochromatin and molecular characterization of DsmarMITE transposable element in the beetle Dichotomius schiffleri (Coleoptera: Scarabaeidae). Genetica, 2014, 142, 575-581.	0.5	7
64	The 5S rDNA in two Abracris grasshoppers (Ommatolampidinae: Acrididae): molecular and chromosomal organization. Molecular Genetics and Genomics, 2016, 291, 1607-1613.	1.0	7
65	B Chromosome Variants of the Grasshopper <i>Xyleus discoideus angulatus</i> Are Potentially Derived from Pericentromeric DNA. Cytogenetic and Genome Research, 2017, 152, 213-221.	0.6	7
66	Insights into chromosomal evolution of Cicadomorpha using fluorochrome staining and mapping 18S rRNA and H3 histone genes. Journal of Zoological Systematics and Evolutionary Research, 2019, 57, 314-322.	0.6	7
67	Cytogenomic analysis unveils mixed molecular evolution and recurrent chromosomal rearrangements shaping the multigene families onSchistocercagrasshopper genomes. Evolution; International Journal of Organic Evolution, 2021, 75, 2027-2041.	1.1	7
68	The U2 snDNA Is a Useful Marker for B Chromosome Detection and Frequency Estimation in the Grasshopper <i>Abracris flavolineata</i>. Cytogenetic and Genome Research, 2017, 151, 36-40.	0.6	6
69	Phylogeny and chromosomal diversification in the Dichroplus elongatus species group (Orthoptera,) Tj ETQq1 1 0.784314 rgBT /Over	1.1	6
70	U1 snDNA chromosomal mapping in ten spittlebug species (Cercopidade, Auchenorrhyncha, Hemiptera). Genome, 2018, 61, 59-62.	0.9	6
71	Organization of some repetitive DNAs and B chromosomes in the grasshopper Eumastusia koebelei koebelei (Rehn, 1909) (Orthoptera, Acrididae, Leptysminae). Comparative Cytogenetics, 2016, 10, 219-228.	0.3	6
72	Amplification of repetitive DNA and origin of a rare chromosomal sex bivalent in Deltochilum (Calhyboma) verruciferum (Coleoptera, Scarabaeidae). Genetica, 2010, 138, 191-195.	0.5	5

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73	Spatial Distribution of Heterochromatin Bodies in the Nuclei of Triatoma infestans (Klug). Microscopy and Microanalysis, 2020, 26, 567-574.	0.2	5
74	Chromosomal diversification of diploid number, heterochromatin and rDNAs in two species of Phanaeus beetles (Scarabaeidae, Scarabaeinae). Genetics and Molecular Biology, 2013, 36, 341-346.	0.6	4
75	Possible origin of B chromosome in Dichotomius sericeus (Coleoptera). Genome, 2016, 59, 575-580.	0.9	4
76	Histone acetylation and methylation marks in chromatin of Panstrongylus megistus (Hemiptera,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6	0.9	4
77	Establishment and characterization of a cell line (RBME-6) of Rhipicephalus (Boophilus) microplus from Brazil. Ticks and Tick-borne Diseases, 2021, 12, 101770.	1.1	3
78	Establishment and multiapproach characterization of Amblyomma sculptum (Acari: Ixodidae) cell line (ASE-14) from Brazil. Ticks and Tick-borne Diseases, 2022, 13, 101951.	1.1	2
79	New insights into the six decades of Mesaâ€™s hypothesis of chromosomal evolution in Ommexechinae grasshoppers (Orthoptera: Acridoidea). Zoological Journal of the Linnean Society, 2021, 193, 1141-1155.	1.0	1