

Diogo Cavalcanti Cabral-de-Mello

List of Publications by Year in descending order

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79
papers

1,908
citations

257357

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315616

38
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81
docs citations

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times ranked

1226
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#	ARTICLE	IF	CITATIONS
1	Establishment and multiapproach characterization of <i>Amblyomma sculptum</i> (Acari: Ixodidae) cell line (ASE-14) from Brazil. <i>Ticks and Tick-borne Diseases</i> , 2022, 13, 101951.	1.1	2
2	New insights into the six decades of Mesa's hypothesis of chromosomal evolution in Ommexechinae grasshoppers (Orthoptera: Acridoidea). <i>Zoological Journal of the Linnean Society</i> , 2021, 193, 1141-1155.	1.0	1
3	Dynamic sex chromosome expression in <i>Drosophila</i> male germ cells. <i>Nature Communications</i> , 2021, 12, 892.	5.8	53
4	Universal fluorescence in situ hybridization (FISH) protocol for mapping repetitive DNAs in insects and other arthropods. <i>Molecular Genetics and Genomics</i> , 2021, 296, 513-526.	1.0	27
5	The Role of Satellite DNAs in Genome Architecture and Sex Chromosome Evolution in Crambidae Moths. <i>Frontiers in Genetics</i> , 2021, 12, 661417.	1.1	25
6	Cytogenomic analysis unveils mixed molecular evolution and recurrent chromosomal rearrangements shaping the multigene families on <i>Schistocerca</i> grasshopper genomes. <i>Evolution; International Journal of Organic Evolution</i> , 2021, 75, 2027-2041.	1.1	7
7	The relevance of chromosome fissions for major ribosomal DNA dispersion in hymenopteran insects. <i>Journal of Evolutionary Biology</i> , 2021, 34, 1466-1476.	0.8	11
8	Establishment and characterization of a cell line (RBME-6) of <i>Rhipicephalus (Boophilus) microplus</i> from Brazil. <i>Ticks and Tick-borne Diseases</i> , 2021, 12, 101770.	1.1	3
9	Out of patterns, the euchromatic B chromosome of the grasshopper <i>Abracris flavolineata</i> is not enriched in high-copy repeats. <i>Heredity</i> , 2021, 127, 475-483.	1.2	10
10	The extensive amplification of heterochromatin in <i>Melipona</i> bees revealed by high throughput genomic and chromosomal analysis. <i>Chromosoma</i> , 2021, 130, 251-262.	1.0	11
11	B chromosomes of multiple species have intense evolutionary dynamics and accumulated genes related to important biological processes. <i>BMC Genomics</i> , 2020, 21, 656.	1.2	22
12	Karyotype changes in long-term cultured tick cell lines. <i>Scientific Reports</i> , 2020, 10, 13443.	1.6	10
13	Analysis of <i>Holhymenia histrio</i> genome provides insight into the satDNA evolution in an insect with holocentric chromosomes. <i>Chromosome Research</i> , 2020, 28, 369-380.	1.0	13
14	Spatial Distribution of Heterochromatin Bodies in the Nuclei of <i>Triatoma infestans</i> (Klug). <i>Microscopy and Microanalysis</i> , 2020, 26, 567-574.	0.2	5
15	High dynamism for neo-sex chromosomes: satellite DNAs reveal complex evolution in a grasshopper. <i>Heredity</i> , 2020, 125, 124-137.	1.2	25
16	Eight Million Years of Satellite DNA Evolution in Grasshoppers of the Genus <i>Schistocerca</i> Illuminate the Ins and Outs of the Library Hypothesis. <i>Genome Biology and Evolution</i> , 2020, 12, 88-102.	1.1	30
17	Chromosome evolution and phylogeny in <i>Ronderosia</i> (Orthoptera, Acrididae, Melanoplinae): clues of survivors to the challenge of sympatry?. <i>Systematic Entomology</i> , 2019, 44, 61-74.	1.7	10
18	How dynamic could be the 45S rDNA cistron? An intriguing variability in a grasshopper species revealed by integration of chromosomal and genomic data. <i>Chromosoma</i> , 2019, 128, 165-175.	1.0	14

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19	Insights into chromosomal evolution of Cicadomorpha using fluorochrome staining and mapping 18S rRNA and H3 histone genes. <i>Journal of Zoological Systematics and Evolutionary Research</i> , 2019, 57, 314-322.	0.6	7
20	Insights into the karyotype evolution and speciation of the beetle <i>Euchroma gigantea</i> (Coleoptera: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.0	8
21	Satellite DNAs are conserved and differentially transcribed among <i>Gryllus</i> cricket species. <i>DNA Research</i> , 2018, 25, 137-147.	1.5	18
22	More sex chromosomes than autosomes in the Amazonian frog <i>Leptodactylus pentadactylus</i> . <i>Chromosoma</i> , 2018, 127, 269-278.	1.0	27
23	Repetitive DNAs in <i>Melipona scutellaris</i> (Hymenoptera: Apidae: Meliponidae): chromosomal distribution and test of multiple heterochromatin amplification in the genus. <i>Apidologie</i> , 2018, 49, 497-504.	0.9	27
24	U1 snDNA chromosomal mapping in ten spittlebug species (Cercopidae, Auchenorrhyncha, Hemiptera). <i>Genome</i> , 2018, 61, 59-62.	0.9	6
25	Uncovering the molecular organization of unusual highly scattered 5S rDNA: The case of <i>Chariesterus armatus</i> (Heteroptera). <i>Gene</i> , 2018, 646, 153-158.	1.0	10
26	Satellite DNAs Unveil Clues about the Ancestry and Composition of B Chromosomes in Three Grasshopper Species. <i>Genes</i> , 2018, 9, 523.	1.0	21
27	Histone acetylation and methylation marks in chromatin of <i>Panstrongylus megistus</i> (Hemiptera,) Tj ETQq1 1 0.784314 rgBT /Overlock 4	0.9	4
28	Uncovering the evolutionary history of neo-XY sex chromosomes in the grasshopper <i>Ronderosia bergii</i> (Orthoptera, Melanoplinae) through satellite DNA analysis. <i>BMC Evolutionary Biology</i> , 2018, 18, 2.	3.2	13
29	The repetitive DNA element BncDNA, enriched in the B chromosome of the cichlid fish <i>Astatotilapia latifasciata</i> , transcribes a potentially noncoding RNA. <i>Chromosoma</i> , 2017, 126, 313-323.	1.0	31
30	The U2 snDNA Is a Useful Marker for B Chromosome Detection and Frequency Estimation in the Grasshopper <i>Abracris flavolineata</i>. <i>Cytogenetic and Genome Research</i> , 2017, 151, 36-40.	0.6	6
31	Highest Diploid Number Among Gymnotiformes: First Cytogenetic Insights into <i>Rhabdolichops</i> (Sternopygidae). <i>Zebrafish</i> , 2017, 14, 272-279.	0.5	9
32	B Chromosome Variants of the Grasshopper <i>Xyleus discoideus angulatus</i> Are Potentially Derived from Pericentromeric DNA. <i>Cytogenetic and Genome Research</i> , 2017, 152, 213-221.	0.6	7
33	Are the TTAGG and TTAGGG telomeric repeats phylogenetically conserved in aculeate Hymenoptera?. <i>Die Naturwissenschaften</i> , 2017, 104, 85.	0.6	15
34	Centromeric enrichment of LINE-1 retrotransposons and its significance for the chromosome evolution of Phyllostomid bats. <i>Chromosome Research</i> , 2017, 25, 313-325.	1.0	29
35	High-throughput analysis of the satellitome revealed enormous diversity of satellite DNAs in the neo-Y chromosome of the cricket <i>Eneoptera surinamensis</i> . <i>Scientific Reports</i> , 2017, 7, 6422.	1.6	48
36	Phylogeny and chromosomal diversification in the <i>Dichroplus elongatus</i> species group (Orthoptera,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.1	6

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37	The satellite DNA AflaSAT-1 in the A and B chromosomes of the grasshopper <i>Abracris flavolineata</i> . <i>BMC Genetics</i> , 2017, 18, 81.	2.7	8
38	Chromosomal evolutionary dynamics of four multigene families in Coreidae and Pentatomidae (Heteroptera) true bugs. <i>Molecular Genetics and Genomics</i> , 2016, 291, 1919-1925.	1.0	19
39	Possible origin of B chromosome in <i>Dichotomius sericeus</i> (Coleoptera). <i>Genome</i> , 2016, 59, 575-580.	0.9	4
40	The 5S rDNA in two <i>Abracris</i> grasshoppers (Ommatolampidinae: Acrididae): molecular and chromosomal organization. <i>Molecular Genetics and Genomics</i> , 2016, 291, 1607-1613.	1.0	7
41	Karyotypes and Repetitive DNA Evolution in Six Species of the Genus <i>Mahanarva</i> (Auchenorrhyncha: Cercopidae). <i>Cytogenetic and Genome Research</i> , 2016, 149, 321-327.	0.6	16
42	Organization of some repetitive DNAs and B chromosomes in the grasshopper <i>Eumastusia koebelei</i> koebelei (Rehn, 1909) (Orthoptera, Acrididae, Leptysminae). <i>Comparative Cytogenetics</i> , 2016, 10, 219-228.	0.3	6
43	Toxicogenetic effects of low concentrations of the pesticides imidacloprid and sulfentrazone individually and in combination in in vitro tests with HepG2 cells and <i>Salmonella typhimurium</i> . <i>Ecotoxicology and Environmental Safety</i> , 2015, 120, 174-183.	2.9	43
44	Neo-sex chromosomes of <i>Ronderosia bergi</i> : insight into the evolution of sex chromosomes in grasshoppers. <i>Chromosoma</i> , 2015, 124, 353-365.	1.0	26
45	High similarity of U2 snDNA sequence between A and B chromosomes in the grasshopper <i>Abracris flavolineata</i> . <i>Molecular Genetics and Genomics</i> , 2015, 290, 1787-1792.	1.0	11
46	A step to the gigantic genome of the desert locust: chromosome sizes and repeated DNAs. <i>Chromosoma</i> , 2015, 124, 263-275.	1.0	53
47	Repetitive DNA chromosomal organization in the cricket <i>Cycloptiloides americanus</i> : a case of the unusual X1X20 sex chromosome system in Orthoptera. <i>Molecular Genetics and Genomics</i> , 2015, 290, 623-631.	1.0	23
48	U1 snDNA clusters in grasshoppers: chromosomal dynamics and genomic organization. <i>Heredity</i> , 2015, 114, 207-219.	1.2	22
49	Contrasting the Chromosomal Organization of Repetitive DNAs in Two Gryllidae Crickets with Highly Divergent Karyotypes. <i>PLoS ONE</i> , 2015, 10, e0143540.	1.1	19
50	Microsatellite Organization in the Grasshopper <i>Abracris flavolineata</i> (Orthoptera: Acrididae) Revealed by FISH Mapping: Remarkable Spreading in the A and B Chromosomes. <i>PLoS ONE</i> , 2014, 9, e97956.	1.1	38
51	Heterochromatin and molecular characterization of DsmarMITE transposable element in the beetle <i>Dichotomius schiffleri</i> (Coleoptera: Scarabaeidae). <i>Genetica</i> , 2014, 142, 575-581.	0.5	7
52	Chromosomal mapping of two Mariner-like elements in the grasshopper <i>Abracris flavolineata</i> (Orthoptera: Acrididae) reveals enrichment in euchromatin. <i>European Journal of Entomology</i> , 2014, 111, 329-334.	1.2	17
53	Patterns of rDNA and telomeric sequences diversification: contribution to repetitive DNA organization in Phyllostomidae bats. <i>Genetica</i> , 2014, 142, 49-58.	0.5	13
54	Origin and Evolution of B Chromosomes in the Cichlid Fish <i>Astatotilapia latifasciata</i> Based on Integrated Genomic Analyses. <i>Molecular Biology and Evolution</i> , 2014, 31, 2061-2072.	3.5	112

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55	Tracking the evolution of sex chromosome systems in Melanoplinae grasshoppers through chromosomal mapping of repetitive DNA sequences. <i>BMC Evolutionary Biology</i> , 2013, 13, 167.	3.2	53
56	Chromosomal organization and evolutionary history of Mariner transposable elements in Scarabaeinae coleopterans. <i>Molecular Cytogenetics</i> , 2013, 6, 54.	0.4	11
57	Chromosomal diversification of diploid number, heterochromatin and rDNAs in two species of Phanaeus beetles (Scarabaeidae, Scarabaeinae). <i>Genetics and Molecular Biology</i> , 2013, 36, 341-346.	0.6	4
58	Chromosomal Mapping of Repetitive DNAs in the Grasshopper <i>Abracris flavolineata</i> Reveal Possible Ancestry of the B Chromosome and H3 Histone Spreading. <i>PLoS ONE</i> , 2013, 8, e66532.	1.1	91
59	Comparative cytogenetics of ten species of cichlid fishes (Teleostei, Cichlidae) from the Araguaia River system, Brazil, by conventional cytogenetic methods. <i>Comparative Cytogenetics</i> , 2012, 6, 163-181.	0.3	13
60	Evolutionary dynamics of rRNA gene clusters in cichlid fish. <i>BMC Evolutionary Biology</i> , 2012, 12, 198.	3.2	62
61	Heterochromatin, Sex Chromosomes and rRNA Gene Clusters in <i>Coprophanæus</i> Beetles (Coleoptera, Scarabaeidae). <i>Cytogenetic and Genome Research</i> , 2012, 138, 46-55.	0.6	10
62	Genomic organization and comparative chromosome mapping of the U1 snRNA gene in cichlid fish, with an emphasis in <i>Oreochromis niloticus</i> . <i>Chromosome Research</i> , 2012, 20, 279-292.	1.0	49
63	Phosphorylation of Histone H3S10 in Animal Chromosomes: Is There a Uniform Pattern?. <i>Cytogenetic and Genome Research</i> , 2011, 135, 111-117.	0.6	10
64	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. <i>Cytogenetic and Genome Research</i> , 2011, 132, 89-93.	0.6	33
65	Cytogenetic Mapping of rRNAs and Histone H3 Genes in 14 Species of <i>Dichotomius</i> (Coleoptera, Tj ETQq1 1 0.784314 rgBT /Overload	0.6	41
66	Evolutionary dynamics of heterochromatin in the genome of <i>Dichotomius</i> beetles based on chromosomal analysis. <i>Genetica</i> , 2011, 139, 315-325.	0.5	29
67	Evolutionary dynamics of 5S rDNA location in acridid grasshoppers and its relationship with H3 histone gene and 45S rDNA location. <i>Genetica</i> , 2011, 139, 921-931.	0.5	53
68	Genomic content and new insights on the origin of the B chromosome of the cichlid fish <i>Astatotilapia latifasciata</i> . <i>Genetica</i> , 2011, 139, 1273-1282.	0.5	40
69	Chromosomal mapping of rDNAs and H3 histone sequences in the grasshopper <i>rhammatocerus brasiliensis</i> (acrididae, gomphocerinae): extensive chromosomal dispersion and co-localization of 5S rDNA/H3 histone clusters in the A complement and B chromosome. <i>Molecular Cytogenetics</i> , 2011, 4, 24.	0.4	34
70	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. <i>BMC Genetics</i> , 2011, 12, 88.	2.7	62
71	Amplification of repetitive DNA and origin of a rare chromosomal sex bivalent in <i>Deltochilum</i> (<i>Calhyboma</i>) <i>verruciferum</i> (Coleoptera, Scarabaeidae). <i>Genetica</i> , 2010, 138, 191-195.	0.5	5
72	Cytogenetic analysis of two related <i>Deltochilum</i> (Coleoptera, Scarabaeidae) species: Diploid number reduction, extensive heterochromatin addition and differentiation. <i>Micron</i> , 2010, 41, 112-117.	1.1	13

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73	Chromosome differentiation patterns during cichlid fish evolution. BMC Genetics, 2010, 11, 50.	2.7	74
74	Chromosomal mapping of repetitive DNAs in the beetle <i>Dichotomius geminatus</i> 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
75	Comparative cytogenetics of three species of <i>Dichotomius</i> (Coleoptera, Scarabaeidae). Genetics and Molecular Biology, 2009, 32, 276-280.	0.6	15
76	Cytogenetic characterization of <i>Eurysternus caribaeus</i> (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
77	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
78	Karyotype differentiation patterns in species of the subfamily Scarabaeinae (Scarabaeidae, Coleoptera). Micron, 2008, 39, 1243-1250.	1.1	23
79	Karyotype characterization of <i>Eurysternus caribaeus</i> : The smallest diploid number among Scarabaeidae (Coleoptera: Scarabaeoidea). Micron, 2007, 38, 323-325.	1.1	7