Marcelo Guerra

List of Publications by Year
in descending order

82 papers	2,730 citations	201674 27 h-index	206112 48 g-index
82 all docs	82 docs citations	82 times ranked	1795 citing authors

#	Article	IF	Citations
1	Chromosome numbers in plant cytotaxonomy: concepts and implications. Cytogenetic and Genome Research, 2008, 120, 339-350.	1.1	224
2	Patterns of heterochromatin distribution in plant chromosomes. Genetics and Molecular Biology, 2000, 23, 1029-1041.	1.3	182
3	Distribution of 45S rDNA sites in chromosomes of plants: Structural and evolutionary implications. BMC Evolutionary Biology, 2012, 12, 225.	3.2	175
4	Extensive ribosomal DNA amplification during Andean common bean (Phaseolus vulgaris L.) evolution. Theoretical and Applied Genetics, 2006, 112, 924-933.	3.6	168
5	Variability of the 5S and 45S rDNA Sites in Passiflora L. Species with Distinct Base Chromosome Numbers. Annals of Botany, 2003, 92, 309-316.	2.9	108
6	Karyotype diversity and the origin of grapefruit. Chromosome Research, 2007, 15, 115-121.	2.2	81
7	Non-Random Distribution of 5S rDNA Sites and Its Association with 45S rDNA in Plant Chromosomes. Cytogenetic and Genome Research, 2015, 146, 243-249.	1.1	81
8	The meaning of DAPI bands observed after C-banding and FISH procedures. Biotechnic and Histochemistry, 2010, 85, 115-125.	1.3	78
9	Heterochromatin banding patterns in Rutaceaeâ€Aurantioideaeâ€"a case of parallel chromosomal evolution. American Journal of Botany, 2000, 87, 735-747.	1.7	75
10	Localization of the 5S and 45S rDNA Sites and cpDNA Sequence Analysis in Species of the Quadrifaria Group of Paspalum (Poaceae, Paniceae). Annals of Botany, 2005, 96, 191-200.	2.9	63
11	Heterochromatin diversity and its co-localization with 5S and 45S rDNA sites in chromosomes of four Maxillaria species (Orchidaceae). Genetics and Molecular Biology, 2006, 29, 659-664.	1.3	63
12	Numerical variations in species exhibiting holocentric chromosomes: a nomenclatural proposal. Caryologia, 1996, 49, 301-309.	0.3	61
13	The evolution of CMA bands in Citrus and related genera. Chromosome Research, 2010, 18, 503-514.	2.2	56
14	Cytogenetics and cytotaxonomy of some Brazilian species of Cymbidioid orchids. Genetics and Molecular Biology, 2000, 23, 957-978.	1.3	52
15	Variation in chromosome number and the basic number of subfamily Epidendroideae (Orchidaceae). Botanical Journal of the Linnean Society, 0, 163, 234-278.	1.6	52
16	Variation in Chromosome Numbers, CMA Bands and 45S rDNA Sites in Species of Selaginella (Pteridophyta). Annals of Botany, 2005, 95, 271-276.	2.9	46
17	Karyotype analysis in several South American species of <i>Solanum</i> and <i>Lycianthes rantonnei</i> (Solanaceae). Taxon, 2005, 54, 713-723.	0.7	46
18	Chromosome characterization in Thinopyrum ponticum (Triticeae, Poaceae) using in situ hybridization with different DNA sequences. Genetics and Molecular Biology, 2003, 26, 505-510.	1.3	44

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19	Cytogenetics of Manihot esculenta Crantz (cassava) and eight related species. Hereditas, 2002, 136, 159-168.	1.4	43
20	Heterochromatin and rDNA sites distribution in the holocentric chromosomes of <i>Cuscuta approximata</i> Bab. (Convolvulaceae). Genome, 2004, 47, 134-140.	2.0	40
21	Cytogenetic and molecular evidence suggest multiple origins and geographical parthenogenesis in Nothoscordum gracile (Alliaceae). Annals of Botany, 2012, 109, 987-999.	2.9	38
22	Localization of 45S rDNA and telomeric sites on holocentric chromosomes of Rhynchospora tenuis Link (Cyperaceae). Genetics and Molecular Biology, 2003, 26, 199-201.	1.3	36
23	Cytogenetics and cytotaxonomy ofVelloziaceae. Plant Systematics and Evolution, 1997, 204, 257-273.	0.9	35
24	Multiple locations of the rDNA sites in holocentric chromosomes of Rhynchospora (Cyperaceae). Chromosome Research, 1998, 6, 345-350.	2.2	35
25	Reproductive isolation between diploid and tetraploid cytotypes of Libidibia ferrea (= Caesalpinia) Tj ETQq1 1 0.784314 rgBT /Overloc 298, 1371-1381.	0.9	35
26	Karyological circumscription of Ipheion Rafinesque (Gilliesioideae, Alliaceae). Plant Systematics and Evolution, 2010, 287, 119-127.	0.9	33
27	Cytotaxonomic studies in Brazilian <i>Rhynchospora</i> (Cyperaceae), a genus exhibiting holocentric chromosomes. Canadian Journal of Botany, 1998, 76, 440-449.	1.1	31
28	CytotaÃ—onomic studies in Brazilian <i>Rhynchospora</i> (Cyperaceae), a genus eÃ—hibiting holocentric chromosomes. Canadian Journal of Botany, 1998, 76, 440-449.	1.1	29
29	Karyotype differentiation among Spondias species and the putative hybrid Umbu-cajÃ¡ (Anacardiaceae). Botanical Journal of the Linnean Society, 2007, 155, 541-547.	1.6	28
30	Cytotaxonomy of diploid and polyploid Aristolochia (Aristolochiaceae) species based on the distribution of CMA/DAPI bands and 5S and 45S rDNA sites. Plant Systematics and Evolution, 2009, 280, 219-227.	0.9	28
31	Different types of plant chromatin associated with modified histones H3 and H4 and methylated DNA. Genetica, 2011, 139, 305-314.	1.1	28
32	Heterochromatin differentiation in holocentric chromosomes of Rhynchospora (Cyperaceae). Genetics and Molecular Biology, 2000, 23, 453-456.	1.3	27
33	Distribution of 5S and 45S rDNA sites in plants with holokinetic chromosomes and the â€œchromosome fieldâ€• hypothesis. Micron, 2011, 42, 625-631.	2.2	27
34	Mitotic Microtubule Development and Histone H3 Phosphorylation in the Holocentric Chromosomes of Rhynchospora Tenuis (Cyperaceae). Genetica, 2006, 126, 33-41.	1.1	26
35	Molecular Phylogeny of the Neotropical Genus Christensonella (Orchidaceae, Maxillariinae): Species Delimitation and Insights into Chromosome Evolution. Annals of Botany, 2008, 102, 491-507.	2.9	26
36	Diversification of the American bulbâ€bearing <i>Oxalis</i> (Oxalidaceae): Dispersal to North America and modification of the tristylous breeding system. American Journal of Botany, 2012, 99, 152-164.	1.7	26

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37	Karyological, morphological, and phylogenetic diversification in Leucocoryne Lindl (Allioideae,) Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.9	25
38	Phylogenetic relations in tribe Leucocoryneae (Amaryllidaceae, Allioideae) and the validation of<i>Zoellnerallium</i>based on DNA sequences and cytomolecular data. Botanical Journal of the Linnean Society, 2016, 182, 811-824.	1.6	25
39	Chromosome number and secondary constriction variation in 51 accessions of a citrus germplasm bank. Genetics and Molecular Biology, 1997, 20, 489-496.	1.0	25
40	CitogenÃ©tica de Angiospermas coletadas em Pernambuco: V. Acta Botanica Brasilica, 1999, 13, 49-60.	0.8	22
41	Chromatin differentiation between Theobroma cacao L. and T. grandiflorum Schum. Genetics and Molecular Biology, 2010, 33, 94-98.	1.3	22
42	B chromosomes of rye are highly conserved and accompanied the development of early agriculture. Annals of Botany, 2013, 112, 527-534.	2.9	22
43	Allopolyploidy and extensive rDNA site variation underlie rapid karyotype evolution in Nothoscordum section Nothoscordum (Amaryllidaceae). Botanical Journal of the Linnean Society, 2019, 190, 215-228.	1.6	19
44	The karyotype of Nothoscordum arenarium Herter (Gilliesioideae, Alliaceae): a populational and cytomolecular analysis. Genetics and Molecular Biology, 2009, 32, 111-116.	1.3	18
45	Karyological relationships among some South American species of Solanum (Solanaceae) based on fluorochrome banding and nuclear DNA amount. Plant Systematics and Evolution, 2012, 298, 1547-1556.	0.9	18
46	Interstitial telomeric sites and Robertsonian translocations in species of Ipheion and Nothoscordum (Amaryllidaceae). Genetica, 2016, 144, 157-166.	1.1	18
47	Monocentric chromosomes in Juncus (Juncaceae) and implications for the chromosome evolution of the family. Botanical Journal of the Linnean Society, 2019, 191, 475-483.	1.6	18
48	Hematoxylin: a simple, multiple-use dye for chromosome analysis. Genetics and Molecular Biology, 1999, 22, 77-80.	1.3	18
49	Chromosome analysis in <i>Psygmorchis pusilla</i> (L.) Dodson & Dressier: the smallest chromosome number known in Orchidaceae. Caryologia, 1999, 52, 165-168.	0.3	14
50	Cytological differentiation between the two subgenomes of the tetraploid Emilia fosbergii Nicolson and its relationship with E.Âsonchifolia (L.) DC. (Asteraceae). Plant Systematics and Evolution, 2010, 287, 113-118.	0.9	14
51	Cytomolecular characterization of de novo formed rye B chromosome variants. Molecular Cytogenetics, 2012, 5, 34.	0.9	14
52	Agmatoploidy and symploidy: a critical review. Genetics and Molecular Biology, 2016, 39, 492-496.	1.3	14
53	A Karyotype Comparison Between Two Closely Related Species of Acrostichum. American Fern Journal, 2003, 93, 116-125.	0.3	13
54	Condensation patterns of prophase/prometaphase chromosome are correlated with H4K5 histone acetylation and genomic DNA contents in plants. PLoS ONE, 2017, 12, e0183341.	2.5	13

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55	The Polytene Chromosomes of Anther Tapetum of Some Phaseolus Species.. Cytologia, 1994, 59, 211-217.	0.6	12
56	Molecular cytogenetic characterization of parental genomes in the partial amphidiploid Triticum aestivum x Thinopyrum ponticum. Genetics and Molecular Biology, 2005, 28, 308-313.	1.3	12
57	The Cytogenetic Map of the Poncirus trifoliata (L.) Raf.â€"A Nomenclature System for Chromosomes of All Citric Species. Tropical Plant Biology, 2011, 4, 99-105.	1.9	12
58	Longitudinal differentiation in chromosomes of some Sesbania Scop, species (Fabaceae). Caryologia, 1999, 52, 97-103.	0.3	11
59	Karyotypic Stability in Asparagus (Asparagus officinalis L.) Cultivars Revealed by rDNA in situ Hybridization.. Cytologia, 2001, 66, 127-131.	0.6	11
60	Phylogenetic and cytogenetic relationships among species of Oxalis section Articulatae (Oxalidaceae). Plant Systematics and Evolution, 2016, 302, 1253-1265.	0.9	11
61	Effects of the diploidisation process upon the 5S and 35S rDNA sequences in the allopolyploid species of the Dilatata group of Paspalum (Poaceae, Paniceae). Australian Journal of Botany, 2019, 67, 521.	0.6	11
62	Improved Hematoxylin Staining for Algal Cytogenetics. Biotechnic and Histochemistry, 1998, 73, 78-81.	1.3	10
63	Allopolyploid origin and genome differentiation of the parasitic species Cuscuta veatchii (Convolvulaceae) revealed by genomic in situ hybridization. Genome, 2019, 62, 467-475.	2.0	10
64	IAPT chromosome data 31. Taxon, 2019, 68, 1374-1380.	0.7	9
65	Does the chromosomal position of 35S rDNA sites influence their transcription? A survey on Nothoscordum species (Amaryllidaceae). Genetics and Molecular Biology, 2020, 43, e20180194.	1.3	9
66	Karyotype of Araucaria angustifolia and the decondensation/activation mode of its nucleolus organiser region. Australian Journal of Botany, 2007, 55, 165.	0.6	8
67	Different Patterns of Chromosomal Histone H3 Phosphorylation in Land Plants. Cytogenetic and Genome Research, 2014, 143, 136-143.	1.1	7
68	Multiple karyotype changes distinguish two closely related species of Oxalis (O. psoraleoides and O.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf Journal of the Linnean Society, 0, , .	1.6	6
69	Fluorescent in situ hybridization in plant polytene chromosomes. Cytotechnology, 2001, 23, 135-140.	0.7	5
70	Intense proliferation of rDNA sites and heterochromatic bands in two distantly related Cuscuta species (Convolvulaceae) with very large genomes and symmetric karyotypes. Genetics and Molecular Biology, 2020, 43, e20190068.	1.3	5
71	Origin and evolution of highly polymorphic rDNA sites in <i>Alstroemeria longistaminea</i> (Alstroemeriaceae) and related species. Genome, 2021, 64, 833-845.	2.0	4
72	Genome size and cytomolecular diversification in two species of the South African endemic genus Tulbaghia L. (Allioideae, Amaryllidaceae). South African Journal of Botany, 2020, 130, 407-413.	2.5	3

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73	Satellite DNA probes of Alstroemeria longistaminea (Alstroemeriaceae) paint the heterochromatin and the B chromosome, reveal a G-like banding pattern, and point to a strong structural karyotype conservation. Protoplasma, 2022, 259, 413-426.	2.1	3
74	Fluorescent in situ hybridization in plant polytene chromosomes. , 2001, 23, 133-138.		3
75	Karyotype differentiation in three species of Tripogandra Raf. (Commelinaceae) with different ploidy levels. Genetics and Molecular Biology, 2010, 33, 731-738.	1.3	2
76	Karyotype variability of sour orange (Citrus aurantium L.) and the origin of its heteromorphic karyotypes. Tree Genetics and Genomes, 2020, 16, 1.	1.6	2
77	Karyotype differentiation in Ameroglossum (Linderniaceae) and closely related genera endemic to Brazilian inselbergs. Botanical Journal of the Linnean Society, 0, , .	1.6	2
78	Mitotic karyotype stability and meiotic irregularities in the families Loranthaceae Juss. and Viscaceae Miq. Caryologia, 2005, 58, 70-77.	0.3	1
79	Karyotype of the Neotropical mangrove species Pelliciera Rhizophorae Triana and Planchon (Tetrameristaceae). Caryologia, 2018, 71, 182-189.	0.3	1
80	Molecular cytogenetics of Dictyoloma vandellianum A. Juss. and the ancestral karyotype of Rutaceae. Acta Botanica Brasilica, 2021, 35, 582-588.	0.8	1
81	Molecular cytogenetics reveals an uncommon structural and numerical chromosomal heteromorphism in Zephyranthes brachyandra (Amaryllidaceae). Boletin De La Sociedad Argentina De Botanica, 2022, 57, .	0.3	1
82	The karyotype of Adenia and the origin of the base number x = 12 in Passifloroideae (Passifloraceae). Anais Da Academia Brasileira De Ciencias, 2021, 93, e20201852.	0.8	0