Juan Luis Santos

List of Publications by Year
in descending order

89 papers	2,921 citations	201674 27 h-index	197818 49 g-index
90 all docs	90 docs citations	90 times ranked	2177 citing authors

#	Article	IF	Citations
1	X Chromosome Inactivation during Grasshopper Spermatogenesis. Genes, 2021, 12, 1844.	2.4	4
2	Loss of function of Arabidopsis microRNA-machinery genes impairs fertility, and has effects on homologous recombination and meiotic chromatin dynamics. Scientific Reports, 2017, 7, 9280.	3.3	26
3	The Absence of the Arabidopsis Chaperone Complex CAF-1 Produces Mitotic Chromosome Abnormalities and Changes in the Expression Profiles of Genes Involved in DNA Repair. Frontiers in Plant Science, 2017, 8, 525.	3.6	18
4	Accurate Chromosome Segregation at First Meiotic Division Requires AGO4, a Protein Involved in RNA-Dependent DNA Methylation inArabidopsis thaliana. Genetics, 2016, 204, 543-553.	2.9	31
5	Do Exogenous DNA Double-Strand Breaks Change Incomplete Synapsis and Chiasma Localization in the Grasshopper Stethophyma grossum?. PLoS ONE, 2016, 11, e0168499.	2.5	3
6	Analysis of the Relationships between DNA Double-Strand Breaks, Synaptonemal Complex and Crossovers Using the Atfas1-4 Mutant. PLoS Genetics, 2015, 11, e1005301.	3.5	20
7	Involvement of the Cohesin Cofactor PDS5 (SPO76) During Meiosis and DNA Repair in Arabidopsis thaliana. Frontiers in Plant Science, 2015, 6, 1034.	3.6	42
8	Absence of <scp>SUN</scp>1 and <scp>SUN</scp>2 proteins in ArabidopsisÂthaliana leads to a delay in meiotic progression and defects in synapsis and recombination. Plant Journal, 2015, 81, 329-346.	5.7	77
9	On the role of some ARGONAUTE proteins in meiosis and DNA repair in Arabidopsis thaliana. Frontiers in Plant Science, 2014, 5, 177.	3.6	60
10	On the role of AtDMC1, AtRAD51 and its paralogs during Arabidopsis meiosis. Frontiers in Plant Science, 2014, 5, 23.	3.6	45
11	Dynamics of cohesin subunits in grasshopper meiotic divisions. Chromosoma, 2013, 122, 77-91.	2.2	6
12	Looking for natural variation in chiasma frequency in Arabidopsis thaliana. Journal of Experimental Botany, 2012, 63, 887-894.	4.8	33
13	FANCM Limits Meiotic Crossovers. Science, 2012, 336, 1588-1590.	12.6	252
14	Together yes, but not coupled: new insights into the roles of RAD51 and DMC1 in plant meiotic recombination. Plant Journal, 2012, 69, 921-933.	5.7	52
15	The template choice decision in meiosis: is the sister important?. Chromosoma, 2011, 120, 447-454.	2.2	18
16	Incomplete Synapsis and Chiasma Localization: The Chicken or the Egg?. Cytogenetic and Genome Research, 2010, 128, 139-151.	1.1	7
17	Meiosis inStethophyma(Mecostethus)Grossum(Orthoptera: Acrididae): An Exciting History. Journal of Orthoptera Research, 2010, 19, 267-273.	1.0	5
18	Relationship between incomplete synapsis and chiasma localization. Chromosoma, 2009, 118, 377-389.	2.2	20

#	Article	IF	Citations
19	Cohesin axis maturation and presence of RAD51 during first meiotic prophase in a true bug. Chromosoma, 2009, 118, 575-589.	2.2	10
20	Pairing and synapsis in wild type Arabidopsis thaliana. Chromosome Research, 2008, 16, 701-708.	2.2	27
21	ASY1 mediates AtDMC1-dependent interhomolog recombination during meiosis in Arabidopsis. Genes and Development, 2007, 21, 2220-2233.	5.9	247
22	Sequential Loading of Cohesin Subunits during the First Meiotic Prophase of Grasshoppers. PLoS Genetics, 2007, 3, e28.	3.5	23
23	An Analysis of Univalent Segregation in Meiotic Mutants ofArabidopsis thaliana: A Possible Role for Synaptonemal Complex. Genetics, 2007, 175, 505-511.	2.9	30
24	Meiotic effects of Robertsonian translocations in tuco-tucos of theCtenomys perrensisuperspecies (Rodentia: Ctenomyidae). Caryologia, 2007, 60, 233-244.	0.3	12
25	The evolution of sex chromosomes in the genus Rumex (Polygonaceae): Identification of a new species with heteromorphic sex chromosomes. Chromosome Research, 2007, 15, 825-833.	2.2	37
26	Sex chromosomes, synapsis, and cohesins: a complex affair. Chromosoma, 2006, 115, 250-259.	2.2	42
27	DNA double-strand breaks and homology search: inferences from a species with incomplete pairing and synapsis. Journal of Cell Science, 2005, 118, 2957-2963.	2.0	31
28	Understanding the cytological diploidization mechanism of polyploid wild wheats. Cytogenetic and Genome Research, 2005, 109, 205-209.	1.1	5
29	The controversial telomeres of lily plants. Cytogenetic and Genome Research, 2005, 109, 144-147.	1.1	16
30	Involvement of the cohesin Rad21 and SCP3 in monopolar attachment of sister kinetochores during mouse meiosis I. Journal of Cell Science, 2004, 117, 1221-1234.	2.0	149
31	A Puromycin-Sensitive Aminopeptidase Is Essential for Meiosis inArabidopsis thalianaÂ[W]. Plant Cell, 2004, 16, 2895-2909.	6.6	59
32	X and B chromosomes display similar meiotic characteristics in male grasshoppers. Cytogenetic and Genome Research, 2004, 106, 302-308.	1.1	19
33	DNA doubleâ€strand breaks, recombination and synapsis: the timing of meiosis differs in grasshoppers and flies. EMBO Reports, 2004, 5, 385-391.	4.5	39
34	Meiotic Behaviour of B Chromosomes in the Grasshopper Omocestus burri: A Case of Drive in Females. Hereditas, 2004, 118, 139-143.	1.4	16
35	Dynamic relocation of telomere complexes in mouse meiotic chromosomes. Chromosome Research, 2003, 11, 797-807.	2.2	17
36	Synaptic behaviour and morphological modifications of the X and Y chromosomes during pachytene in three species of Ctenomys (Rodentia, Caviomorpha, Ctenomyidae). Genome, 2002, 45, 1110-1115.	2.0	8

#	Article	IF	Citations
37	Sex-dependent synaptic behaviour in triploid turbot, Scophthalmus maximus (Pisces, Scophthalmidae). Heredity, 2002, 89, 460-464.	2.6	25
38	Synaptonemal complex analysis in oocytes and spermatocytes of threespine stickleback Gasterosteus aculeatus (Teleostei, Gasterosteidae). Genetica, 2002, 114, 53-56.	1.1	12
39	Chiasma formation in Arabidopsis thaliana accession Wassileskija and in two meiotic mutants. Chromosome Research, 2001, 9, 121-128.	2.2	159
40	Meiosis in primary trisomics of rye: considerations for models of chromosome pairing. Chromosome Research, 2001, 9, 13-23.	2.2	6
41	Searching for telomeric sequences in two Allium species. Genome, 2001, 44, 640-643.	2.0	1
42	Synaptonemal complex analysis in spermatocytes and oocytes of turbot, Scophthalmus maximus (Pisces, Scophthalmidae). Genome, 2001, 44, 1143-1147.	2.0	3
43	Organization of repetitive DNA sequences at pachytene chromosomes of gilthead seabream Sparus aurata (Pisces, Perciformes). Chromosome Research, 2000, 8, 67-72.	2.2	14
44	Meiotic sister chromatid cohesion in holocentric sex chromosomes of three heteropteran species is maintained in absence of axial elements. Chromosoma, 2000, 109, 35-43.	2.2	31
45	Organization of highly repeated sequences in surface-spread pachytene chromosomes of rye. Genome, 2000, 43, 945-948.	2.0	2
46	On the diploidization mechanism of the genus Aegilops: meiotic behaviour of interspecific hybrids. Theoretical and Applied Genetics, 1999, 99, 1080-1086.	3.6	12
47	Squash procedure for protein immunolocalization in meiotic cells. Chromosome Research, 1998, 6, 639-642.	2.2	123
48	Synaptonemal complex analysis of the X1X2Y trivalent in Mantis religiosa L. males: inferences on the origin and maintenance of the sex-determining mechanism. Chromosome Research, 1998, 6, 5-11.	2.2	7
49	A Method for Fluorescencein SituHybridization against Synaptonemal Complex-Associated Chromatin of Plant Meiocytes. Experimental Cell Research, 1998, 239, 179-182.	2.6	14
50	Chiasma localization and incomplete synapsis in two species of Tetrigidae (Orthoptera). Chromosome Research, 1997, 5, 69-71.	2.2	11
51	Synaptic patterns of rye B chromosomes. IV. The B isochromosomes. Heredity, 1995, 74, 100-107.	2.6	25
52	Further insights on chromosomal pairing of autopolyploids: a triploid and tetraploids of rye. Chromosoma, 1995, 104, 298-307.	2.2	22
53	Synaptic patterns of rye B chromosomes. III. The deficient B. Chromosome Research, 1994, 2, 93-98.	2.2	16
54	Meiosis in haploid rye: extensive synapsis and low chiasma frequency. Heredity, 1994, 73, 580-588.	2.6	34

#	Article	IF	Citations
55	Synaptic patterns of rye B chromosomes. II. The effect of the standard B chromosomes on the pairing of the A set. Theoretical and Applied Genetics, 1993, 87, 17-21.	3.6	18
56	Synaptic patterns of rye B chromosomes. I: The standard type. Chromosome Research, 1993, 1, 145-152.	2.2	24
57	Generating high variability of B chromosomes in Eyprepocnemis plorans (grasshopper). Heredity, 1993, 71, 352-362.	2.6	62
58	The effect of supernumerary segments on recombination in Euchorthippus pulvinatus (grasshopper): a comparative study between sexes and populations. Heredity, 1993, 70, 130-134.	2.6	4
59	The relationship between synapsis and chiasma distribution in grasshopper bivalents heterozygous for supernumerary segments. Heredity, 1993, 70, 135-141.	2.6	9
60	Evidence of a joint control of chiasma formation in spermatocytes and oocytes of a grasshopper. Heredity, 1990, 65, 419-422.	2.6	5
61	Chiasma frequencies and distributions in gomphocerine grasshoppers: a comparative study between sexes. Heredity, 1990, 64, 17-23.	2.6	22
62	Latent NORs in the species Pycnogaster cucullata (Orthoptera). Heredity, 1990, 65, 7-10.	2.6	5
63	Differential meiotic behaviour of diploid and tetraploid cells in a partially asynaptic mutant. Chromosoma, 1990, 99, 231-236.	2.2	1
64	Cytological basis of the B chromosome accumulation mechanism in the grasshopper Heteracris littoralis (Ramb). Heredity, 1989, 62, 91-95.	2.6	21
65	Sex-dependent meiotic behaviour of B chromosomes in the grasshopper Eyprepocnemis plorans. Heredity, 1989, 62, 217-221.	2.6	9
66	A quantitative study of chiasma terminalization in the grasshopper Chorthippus jucundus. Heredity, 1989, 62, 51-57.	2.6	6
67	Primary and secondary nucleolar organiser regions during spermatogenesis in the genus Pycnogaster. Heredity, 1988, 60, 197-204.	2.6	5
68	Sex differences in chiasma frequency and distribution in natural populations of Eyprepocnemis plorans containing B-chromosomes. Heredity, 1987, 59, 237-243.	2.6	20
69	Orientation behaviour of interchanges forming chiasmata in interstitial regions: A cytological approach. Heredity, 1987, 58, 15-24.	2.6	7
70	Interference relationships in grasshopper reciprocal translocation heterozygotes. Heredity, 1987, 59, 85-93.	2.6	10
71	The relationship between chiasma frequency and bivalent length: Effects of genotype and supernumerary chromosomes. Heredity, 1986, 56, 305-310.	2.6	7
72	N-bands and nucleolus expression in Schistocerca gregaria and Locusta migratoria. Heredity, 1985, 54, 333-341.	2.6	20

#	Article	IF	Citations
73	Nucleolar activity and competition (Amphiplasty) in the genus Aegilops. Heredity, 1984, 53, 603-611.	2.6	41
74	Nucleolar organiser activity in wheat-barley chromosome addition lines. Heredity, 1984, 52, 425-429.	2.6	17
75	Chiasma frequency and distribution in the presence and absence of supernumerary chromosome segments in the grasshopper, euchorthippus pulvinatus gallicus. Heredity, 1984, 53, 101-106.	2.6	7
76	Analysis of nucleolar activity in Agropyron elongatum, its amphiploid with Triticum aestivum and the chromosome addition lines. Theoretical and Applied Genetics, 1984, 68-68, 75-80.	3.6	17
77	Evolution of a complex B-chromosome polymorphism in the grasshopper Eyprepocnemis plorans. Chromosoma, 1984, 89, 290-293.	2.2	76
78	Evidence for wheat-rye nucleolar competition (amphiplasty) in triticale by silver-staining procedure. Theoretical and Applied Genetics, 1984, 67, 207-213.	3.6	134
79	Nucleolar organizer activity in wheat, rye and derivatives analyzed by a silver-staining procedure. Chromosoma, 1984, 89, 370-376.	2.2	67
80	Spontaneous translocations between B chromosomes and the normal complement in the grasshopper Eyprepocnemis plorans. Chromosoma, 1983, 88, 145-148.	2.2	21
81	Chromosome C-banding patterns in Spanish Acridoidea. Genetica, 1983, 61, 65-74.	1.1	53
82	C-heterochromatin polymorphism and variation in chiasma localization in Euchorthippus pulvinatus gallicus (Acrididae, Orthoptera). Chromosoma, 1982, 85, 507-518.	2.2	23
83	B-chromosome polymorphism and interchromosomal chiasma interference in Eyprepocnemis plorans (Acrididae; Orthoptera). Chromosoma, 1982, 85, 349-359.	2.2	26
84	Genotype-dependent effect of B-chromosomes on chiasma frequency in Eyprepocnemis plorans (Acrididae: Orthoptera). Genetica, 1982, 59, 223-227.	1.1	17
85	Centromere co-orientation in a spontaneous translocation heterozygote of Euchorthippus pulvinatus gallicus (Acrididae, Orthoptera). Genetica, 1982, 58, 81-84.	1.1	9
86	Cytological evidence for preferences of identical over homologous but not-identical meiotic pairing. Chromosoma, 1981, 82, 447-451.	2.2	24
87	Chiasma interference and centromere co-orientation in a spontaneous translocation heterozygote of Euchorthippus pulvinatus gallicus (Acrididae; Orthoptera). Chromosoma, 1980, 78, 327-340.	2.2	29
88	The effect of C-heterochromatin in chiasma terminalisation in Chorthippus biguttulus L. (Acrididae,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.2	53
89	Spreading Synaptonemal Complexes from the Grasshopper Chorthippus Jacobsi: Pachytene and Zygotene Observations. Hereditas, 0, 118, 235-241.	1.4	22