Julio S Rufas

List of Publications by Year
in descending order

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82	2,551	172457	223800
papers	citations	29 h-index	46 g-index

85	85	85	1773
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mammalian STAG3 is a cohesin specific to sister chromatid arms in meiosis I. Nature Cell Biology, 2001, 3, 761-766.	10.3	237
2	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
3	Squash procedure for protein immunolocalization in meiotic cells. Chromosome Research, 1998, 6, 639-642.	2.2	123
4	CDK2 is required for proper homologous pairing, recombination and sex-body formation during male mouse meiosis. Journal of Cell Science, 2009, 122, 2149-2159.	2.0	99
5	A High Incidence of Meiotic Silencing of Unsynapsed Chromatin Is Not Associated with Substantial Pachytene Loss in Heterozygous Male Mice Carrying Multiple Simple Robertsonian Translocations. PLoS Genetics, 2009, 5, e1000625.	3.5	90
6	Inactivation or non-reactivation: what accounts better for the silence of sex chromosomes during mammalian male meiosis?. Chromosoma, 2012, 121, 307-326.	2.2	87
7	Mammalian SGO2 appears at the inner centromere domain and redistributes depending on tension across centromeres during meiosis II and mitosis. EMBO Reports, 2007, 8, 173-180.	4.5	84
8	The pairing of X and Y chromosomes during meiotic prophase in the marsupial species Thylamys elegans is maintained by a dense plate developed from their axial elements. Journal of Cell Science, 2003, 116, 551-560.	2.0	79
9	Dynamic relocalization of the chromosomal passenger complex proteins inner centromere protein (INCENP) and aurora-B kinase during male mouse meiosis. Journal of Cell Science, 2003, 116, 961-974.	2.0	74
10	Meiotic Pairing and Segregation of Achiasmate Sex Chromosomes in Eutherian Mammals: The Role of SYCP3 Protein. PLoS Genetics, 2007, 3, e198.	3.5	73
11	Meiotic behaviour of holocentric chromosomes: orientation and segregation of autosomes in Triatoma infestans (Heteroptera). Chromosome Research, 1997, 5, 47-56.	2.2	63
12	Chromosome organization in meiosis revealed by light microscope analysis of silver-stained cores. Genome, 1987, 29, 706-712.	2.0	60
13	Transition from a meiotic to a somatic-like DNA damage response during the pachytene stage in mouse meiosis. PLoS Genetics, 2019, 15, e1007439.	3.5	59
14	Melosis in holocentric chromosomes: Kinetic activity is randomly restricted to the chromatid ends of sex univalents inGraphosoma italicum (Heteroptera). Chromosome Research, 1996, 4, 124-132.	2.2	57
15	Presence of a chromatid core in mitotic and meiotic chromosomes of grasshoppers. Cell Biology International Reports, 1982, 6, 261-267.	0.6	53
16	Inverted Meiosis: The True Bugs as a Model to Study. Genome Dynamics, 2008, 5, 137-156.	2.4	52
17	Involvement of Synaptonemal Complex Proteins in Sex Chromosome Segregation during Marsupial Male Meiosis. PLoS Genetics, 2006, 2, e136.	3.5	49
18	Sequential Assembly of Centromeric Proteins in Male Mouse Meiosis. PLoS Genetics, 2009, 5, e1000417.	3.5	43

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19	Sex chromosomes, synapsis, and cohesins: a complex affair. Chromosoma, 2006, 115, 250-259.	2.2	42
20	The Program of Sex Chromosome Pairing in Meiosis Is Highly Conserved Across Marsupial Species. Genetics, 2005, 170, 793-799.	2.9	40
21	Involvement of chromatid cohesiveness at the centromere and chromosome arms in meiotic chromosome segregation: A cytological approach. Chromosoma, 1992, 101, 493-501.	2.2	39
22	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
23	Meiosis in holocentric chromosomes: orientation and segregation of an autosome and sex chromosomes in Triatoma infestans (Heteroptera). Chromosome Research, 2000, 8, 17-25.	2.2	38
24	NOR and nucleolus in the spermatogenesis of acridoid grasshoppers. Genetica, 1985, 66, 139-144.	1.1	37
25	Condensin I Reveals New Insights on Mouse Meiotic Chromosome Structure and Dynamics. PLoS ONE, 2007, 2, e783.	2.5	35
26	Expression and behaviour of CENP-E at kinetochores during mouse spermatogenesis. Chromosoma, 2002, 111, 53-61.	2.2	33
27	Localization and development of kinetochores and a chromatid core during meiosis in grasshoppers. Genetica, 1983, 61, 233-238.	1.1	32
28	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
29	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
30	Development of Silver Stained Structures During Spermatogenesis ofSchistocerca Gregaria(Forsk.) (Orthoptera: Acrididae). Caryologia, 1982, 35, 261-267.	0.3	30
31	Meiotic chromosome structure. Kinetochores and chromatid cores in standard and B chromosomes of Arcyptera fusca (Orthoptera) revealed by silver staining. Genome, 1991, 34, 19-27.	2.0	27
32	Meiotic chromosome structure: relationship between the synaptonemal complex and the chromatid cores. Genome, 1992, 35, 1054-1061.	2.0	27
33	A Perikinetochoric Ring Defined by MCAK and Aurora-B as a Novel Centromere Domain. PLoS Genetics, 2006, 2, e84.	3.5	26
34	Complete dependence between Ag NORs and C-positive heterochromatin revealed by simultaneous Ag-NOR C-banding method. Cell Biology International Reports, 1983, 7, 275-281.	0.6	25
35	Sequential Loading of Cohesin Subunits during the First Meiotic Prophase of Grasshoppers. PLoS Genetics, 2007, 3, e28.	3.5	23
36	Ultrastructure of the kinetochore inGraphosoma italicum (Hemiptera: Heteroptera). Protoplasma, 1986, 132, 142-148.	2.1	21

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37	A synaptonemal complex-derived mechanism for meiotic segregation precedes the evolutionary loss of homology between sex chromosomes in arvicolid mammals. Chromosoma, 2012, 121, 433-446.	2.2	21
38	Relationship between incomplete synapsis and chiasma localization. Chromosoma, 2009, 118, 377-389.	2.2	20
39	Constitutive heterochromatin, NOR location and FISH in the grasshopper Xyleus angulatus (Romaleidae). Caryologia, 1998, 51, 73-80.	0.3	19
40	X and B chromosomes display similar meiotic characteristics in male grasshoppers. Cytogenetic and Genome Research, 2004, 106, 302-308.	1.1	19
41	Cytogenetic studies on Chorthippus jucundus (Fisch.) (Orthoptera) III. The meiotic consequences of a spontaneous centric fusion. Genetica, 1984, 63, 3-7.	1.1	18
42	Ultrastructural detection of kinetochores by silver impregnation. Chromosome Research, 1994, 2, 369-375.	2.2	18
43	A cytogenetic analysis in Psophus stridulus (L.) (Orthoptera: Acrididae): B-chromosomes and abnormal spermatid nuclei. Genetica, 1986, 70, 217-224.	1.1	17
44	Supernumerary heterochromatic segments associated with the nucleolar chromosomes of Pyrgomorpha conica (Orthoptera) contain methylated rDNA sequences. Chromosoma, 1993, 102, 491-499.	2.2	17
45	Dynamic relocation of telomere complexes in mouse meiotic chromosomes. Chromosome Research, 2003, 11, 797-807.	2.2	17
46	Meiotic stability of B chromosomes and production of macrospermatids in Aiolopus strepens (Orthoptera: Acrididae). Genome, 1987, 29, 5-10.	2.0	16
47	Meiotic behavior of a complex hexavalent in heterozygous mice for Robertsonian translocations: insights for synapsis dynamics. Chromosoma, 2019, 128, 149-163.	2.2	16
48	Drosophila cohesins DSA1 and Drad21 persist and colocalize along the centromeric heterochromatin during mitosis. Biology of the Cell, 2004, 96, 457-462.	2.0	15
49	B1Was the Ancestor B Chromosome Variant in the Western Mediterranean Area in the GrasshopperEyprepocnemis plorans. Cytogenetic and Genome Research, 2014, 142, 54-58.	1.1	15
50	The telochore: A telomeric differentiation of the chromosome axis. Chromosome Research, 1994, 2, 361-368.	2.2	14
51	Recombination within extra segments: evidence from the grasshopper Chorthippus jucundus. Chromosoma, 1988, 96, 95-101.	2.2	13
52	Mechanisms promoting the appearance of abnormal spermatids in B-carrier individuals of Eyprepocnemis plorans (Orthoptera). Genome, 1989, 32, 64-71.	2.0	13
53	Meiosis reveals the early steps in the evolution of a neo-XY sex chromosome pair in the African pygmy mouse Mus minutoides. PLoS Genetics, 2020, 16, e1008959.	3.5	13
54	Nucleolar cycle and localization of NORs in early embryos of Parascaris univalens. Chromosoma, 1995, 104, 287-297.	2.2	11

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55	Cohesin axis maturation and presence of RAD51 during first meiotic prophase in a true bug. Chromosoma, 2009, 118, 575-589.	2.2	10
56	Colchicine promotes a change in chromosome structure without loss of sister chromatid cohesion in prometaphase I-arrested bivalents. Chromosoma, 2001, 110, 478-486.	2.2	9
57	Transcription reactivation during the first meiotic prophase in bugs is not dependent on synapsis. Chromosoma, 2017, 126, 179-194.	2.2	9
58	The plant nucleolar cycle under hypoxia. Protoplasma, 1985, 126, 47-53.	2.1	8
59	Generation by a polymorphic supernumerary segment of recombination in a normally achiasmate proximal region in Acrotylus insubricus (Scopoli) (Orthoptera, Acrididae). Genome, 1986, 28, 433-438.	0.7	8
60	Nucleolar meiotic cycle in orthoptera. Cell Biology International Reports, 1987, 11, 289-299.	0.6	8
61	Size heterogeneity of telomeric DNA in mouse meiotic chromosomes. Cytogenetic and Genome Research, 2002, 98, 221-224.	1.1	8
62	Chromatin Organization and Remodeling of Interstitial Telomeric Sites During Meiosis in the Mongolian Gerbil (Meriones unguiculatus). Genetics, 2014, 197, 1137-1151.	2.9	8
63	Sex differences in the meiotic behavior of an XX sex chromosome pair in males and females of the mole vole Ellobius tancrei: turning an X into a Y chromosome?. Chromosoma, 2021, 130, 113-131.	2.2	8
64	Marsupial Sex Chromosome Behaviour During Male Meiosis. , 2010, , 187-206.		8
65	Incomplete Synapsis and Chiasma Localization: The Chicken or the Egg?. Cytogenetic and Genome Research, 2010, 128, 139-151.	1.1	7
66	Non-random segregation during anaphase II in an individual of Arcyptera tornosi (Bol.) (Orthoptera) heterozygous for three supernumerary heterochromatic segments. Genetica, 1982, 60, 37-39.	1.1	6
67	A Method for Visualizing the Acrosome by Light Microscopy. Biotechnic & Histochemistry, 1986, 61, 227-230.	0.4	6
68	Supernumerary chromosome segments and intrabivalent chiasma redistribution in Pyrgomorpha conica (Orthoptera). Heredity, 1994, 73, 1-10.	2.6	6
69	Dynamics of cohesin subunits in grasshopper meiotic divisions. Chromosoma, 2013, 122, 77-91.	2.2	6
70	Nucleolar cycle and localization of NORs in early embryos of Parascaris univalens. Chromosoma, 1995, 104, 287-297.	2.2	6
71	Response of interphasic nucleoli to hypoxia in root meristems. Cell Biology International Reports, 1985, 9, 699-708.	0.6	5
72	Effects of supernumerary heterochromatin on chiasma formation and chromosome segregation in Dociostaurus genei (Orthoptera). Heredity, 1998, 80, 353-360.	2.6	5

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73	Meiosis inStethophyma(Mecostethus)Grossum(Orthoptera: Acrididae): An Exciting History. Journal of Orthoptera Research, 2010, 19, 267-273.	1.0	5
74	Analysis of a centric shift in the S11 chromosome of Aiolopus strepens (Orthoptera: Acrididae). Genetica, 1986, 70, 211-216.	1.1	4
75	NOR's disturbing chiasma distribution inSphingonotus coerulans (L.) (Orthoptera: Acrididae). Genetica, 1986, 68, 109-111.	1.1	3
76	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
77	Ultrastructure and the relationship between the nucleolus and the nucleolar organizer region in Orthoptera male germ cells. Genome, 1985, 27, 186-191.	0.7	2
78	Nucleolar organizer regions are associated with silver-stained chromatid cores in meiotic chromosomes of grasshoppers. Genome, 1989, 32, 829-833.	2.0	2
79	Chromatid Cores in Meiotic Chromosome Structure and Segregation. , 2007, , 31-56.		0
80	Involvement of synaptonemal complex proteins in sex chromosome segregation during marsupial male meiosis. PLoS Genetics, 2005, preprint, e136.	3.5	0
81	A Perikinetochoric Ring Defined by MCAK as a New Centromere Domain in Meiosis. PLoS Genetics, 2005, preprint, e84.	3.5	0
82	Meiotic pairing and segregation of achiasmate sex chromosomes in eutherian mammals: the role of SYCP3 protein. PLoS Genetics, 2005, preprint, e198.	3.5	0