

Alberto Viera

List of Publications by Year in descending order

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Version: 2024-02-01

46
papers

1,654
citations

304743

22
h-index

315739

38
g-index

52
all docs

52
docs citations

52
times ranked

1690
citing authors

#	ARTICLE	IF	CITATIONS
1	Involvement of the cohesin Rad21 and SCP3 in monopolar attachment of sister kinetochores during mouse meiosis I. <i>Journal of Cell Science</i> , 2004, 117, 1221-1234.	2.0	149
2	The cohesin subunit RAD21L functions in meiotic synapsis and exhibits sexual dimorphism in fertility. <i>EMBO Journal</i> , 2011, 30, 3091-3105.	7.8	138
3	CDK2 is required for proper homologous pairing, recombination and sex-body formation during male mouse meiosis. <i>Journal of Cell Science</i> , 2009, 122, 2149-2159.	2.0	99
4	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. <i>PLoS Genetics</i> , 2009, 5, e1000625.	3.5	90
5	Inactivation or non-reactivation: what accounts better for the silence of sex chromosomes during mammalian male meiosis?. <i>Chromosoma</i> , 2012, 121, 307-326.	2.2	87
6	Mammalian SGO2 appears at the inner centromere domain and redistributes depending on tension across centromeres during meiosis II and mitosis. <i>EMBO Reports</i> , 2007, 8, 173-180.	4.5	84
7	Dynamic relocalization of the chromosomal passenger complex proteins inner centromere protein (INCENP) and aurora-B kinase during male mouse meiosis. <i>Journal of Cell Science</i> , 2003, 116, 961-974.	2.0	74
8	Meiotic Pairing and Segregation of Achiasmata Sex Chromosomes in Eutherian Mammals: The Role of SYCP3 Protein. <i>PLoS Genetics</i> , 2007, 3, e198.	3.5	73
9	Transition from a meiotic to a somatic-like DNA damage response during the pachytene stage in mouse meiosis. <i>PLoS Genetics</i> , 2019, 15, e1007439.	3.5	59
10	CDK2 regulates nuclear envelope protein dynamics and telomere attachment in mouse meiotic prophase. <i>Journal of Cell Science</i> , 2015, 128, 88-99.	2.0	58
11	Inverted Meiosis: The True Bugs as a Model to Study. <i>Genome Dynamics</i> , 2008, 5, 137-156.	2.4	52
12	Dynamic localization of SMC5/6 complex proteins during mammalian meiosis and mitosis implies functions in distinct chromosome processes. <i>Journal of Cell Science</i> , 2013, 126, 4239-52.	2.0	52
13	Involvement of Synaptonemal Complex Proteins in Sex Chromosome Segregation during Marsupial Male Meiosis. <i>PLoS Genetics</i> , 2006, 2, e136.	3.5	49
14	Sequential Assembly of Centromeric Proteins in Male Mouse Meiosis. <i>PLoS Genetics</i> , 2009, 5, e1000417.	3.5	43
15	Sex chromosomes, synapsis, and cohesins: a complex affair. <i>Chromosoma</i> , 2006, 115, 250-259.	2.2	42
16	The Program of Sex Chromosome Pairing in Meiosis Is Highly Conserved Across Marsupial Species. <i>Genetics</i> , 2005, 170, 793-799.	2.9	40
17	DNA double-strand breaks, recombination and synapsis: the timing of meiosis differs in grasshoppers and flies. <i>EMBO Reports</i> , 2004, 5, 385-391.	4.5	39
18	Condensin I Reveals New Insights on Mouse Meiotic Chromosome Structure and Dynamics. <i>PLoS ONE</i> , 2007, 2, e783.	2.5	35

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19	Impaired Spermatogenesis, Muscle, and Erythrocyte Function in U12 Intron Splicing-Defective Zrsr1 Mutant Mice. <i>Cell Reports</i> , 2018, 23, 143-155.	6.4	33
20	DNA double-strand breaks and homology search: inferences from a species with incomplete pairing and synapsis. <i>Journal of Cell Science</i> , 2005, 118, 2957-2963.	2.0	31
21	Cohesin removal precedes topoisomerase II α -dependent decatenation at centromeres in male mammalian meiosis II. <i>Chromosoma</i> , 2014, 123, 129-146.	2.2	28
22	Sororin loads to the synaptonemal complex central region independently of meiotic cohesin complexes. <i>EMBO Reports</i> , 2016, 17, 695-707.	4.5	27
23	A Perikinetochoric Ring Defined by MCAK and Aurora-B as a Novel Centromere Domain. <i>PLoS Genetics</i> , 2006, 2, e84.	3.5	26
24	<scp>PDS</scp> 5 proteins regulate the length of axial elements and telomere integrity during male mouse meiosis. <i>EMBO Reports</i> , 2020, 21, e49273.	4.5	24
25	Sequential Loading of Cohesin Subunits during the First Meiotic Prophase of Grasshoppers. <i>PLoS Genetics</i> , 2007, 3, e28.	3.5	23
26	A synaptonemal complex-derived mechanism for meiotic segregation precedes the evolutionary loss of homology between sex chromosomes in arvicolid mammals. <i>Chromosoma</i> , 2012, 121, 433-446.	2.2	21
27	Relationship between incomplete synapsis and chiasma localization. <i>Chromosoma</i> , 2009, 118, 377-389.	2.2	20
28	X and B chromosomes display similar meiotic characteristics in male grasshoppers. <i>Cytogenetic and Genome Research</i> , 2004, 106, 302-308.	1.1	19
29	Dynamic relocation of telomere complexes in mouse meiotic chromosomes. <i>Chromosome Research</i> , 2003, 11, 797-807.	2.2	17
30	Meiotic behavior of a complex hexavalent in heterozygous mice for Robertsonian translocations: insights for synapsis dynamics. <i>Chromosoma</i> , 2019, 128, 149-163.	2.2	16
31	Meiosis reveals the early steps in the evolution of a neo-XY sex chromosome pair in the African pygmy mouse <i>Mus minutoides</i> . <i>PLoS Genetics</i> , 2020, 16, e1008959.	3.5	13
32	Cohesin axis maturation and presence of RAD51 during first meiotic prophase in a true bug. <i>Chromosoma</i> , 2009, 118, 575-589.	2.2	10
33	Transcription reactivation during the first meiotic prophase in bugs is not dependent on synapsis. <i>Chromosoma</i> , 2017, 126, 179-194.	2.2	9
34	Meiotic Behavior of Achiasmata Sex Chromosomes in the African Pygmy Mouse <i>Mus mattheyi</i> Offers New Insights into the Evolution of Sex Chromosome Pairing and Segregation in Mammals. <i>Genes</i> , 2021, 12, 1434.	2.4	9
35	Size heterogeneity of telomeric DNA in mouse meiotic chromosomes. <i>Cytogenetic and Genome Research</i> , 2002, 98, 221-224.	1.1	8
36	Chromosomal localization of telomeric sequences in three species of <i>Akodon</i> (Rodentia, Sigmodontinae). <i>Cytogenetic and Genome Research</i> , 2004, 107, 99-102.	1.1	8

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37	Chromatin Organization and Remodeling of Interstitial Telomeric Sites During Meiosis in the Mongolian Gerbil (<i>Meriones unguiculatus</i>). <i>Genetics</i> , 2014, 197, 1137-1151.	2.9	8
38	Sex differences in the meiotic behavior of an XX sex chromosome pair in males and females of the mole vole <i>Ellobius tancrei</i> : turning an X into a Y chromosome?. <i>Chromosoma</i> , 2021, 130, 113-131.	2.2	8
39	Incomplete Synapsis and Chiasma Localization: The Chicken or the Egg?. <i>Cytogenetic and Genome Research</i> , 2010, 128, 139-151.	1.1	7
40	Dynamics of cohesin subunits in grasshopper meiotic divisions. <i>Chromosoma</i> , 2013, 122, 77-91.	2.2	6
41	Epigenetic Dysregulation of Mammalian Male Meiosis Caused by Interference of Recombination and Synapsis. <i>Cells</i> , 2021, 10, 2311.	4.1	6
42	Meiosis in <i>Stethophyma</i> (<i>Mecostethus</i>) <i>Grossum</i> (Orthoptera: Acrididae): An Exciting History. <i>Journal of Orthoptera Research</i> , 2010, 19, 267-273.	1.0	5
43	X Chromosome Inactivation during Grasshopper Spermatogenesis. <i>Genes</i> , 2021, 12, 1844.	2.4	4
44	Haspin participates in AURKB recruitment to centromeres and contributes to chromosome congression in male mouse meiosis. <i>Journal of Cell Science</i> , 2022, 135, .	2.0	2
45	Involvement of synaptonemal complex proteins in sex chromosome segregation during marsupial male meiosis. <i>PLoS Genetics</i> , 2005, preprint, e136.	3.5	0
46	Meiotic pairing and segregation of achiasmate sex chromosomes in eutherian mammals: the role of SYCP3 protein. <i>PLoS Genetics</i> , 2005, preprint, e198.	3.5	0