

Igor F Zhimulev

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5372758/publications.pdf>

Version: 2024-02-01

54
papers

1,415
citations

361413

20
h-index

377865

34
g-index

57
all docs

57
docs citations

57
times ranked

1167
citing authors

#	ARTICLE	IF	CITATIONS
1	The Release 6 reference sequence of the <i>Drosophila melanogaster</i> genome. <i>Genome Research</i> , 2015, 25, 445-458.	5.5	359
2	Genomic analysis of <i>Drosophila</i> chromosome underreplication reveals a link between replication control and transcriptional territories. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 8269-8274.	7.1	76
3	The MSL complex levels are critical for its correct targeting to the chromosomes in <i>Drosophila melanogaster</i> . <i>Chromosoma</i> , 2003, 112, 103-115.	2.2	72
4	Genetic Organization of Interphase Chromosome Bands and Interbands in <i>Drosophila melanogaster</i> . <i>PLoS ONE</i> , 2014, 9, e101631.	2.5	59
5	SUUR joins separate subsets of PcG, HP1 and B-type lamin targets in <i>Drosophila</i> . <i>Journal of Cell Science</i> , 2007, 120, 2344-2351.	2.0	54
6	Intercalary heterochromatin and genetic silencing. <i>BioEssays</i> , 2003, 25, 1040-1051.	2.5	51
7	Identical Functional Organization of Nonpolytene and Polytene Chromosomes in <i>Drosophila melanogaster</i> . <i>PLoS ONE</i> , 2011, 6, e25960.	2.5	48
8	Constitutive heterochromatin in early embryogenesis of <i>Drosophila melanogaster</i> . <i>Molecular Genetics and Genomics</i> , 1991, 229, 316-318.	2.4	41
9	Late Replication Domains in Polytene and Non-Polytene Cells of <i>Drosophila melanogaster</i> . <i>PLoS ONE</i> , 2012, 7, e30035.	2.5	37
10	DNA Copy-Number Control through Inhibition of Replication Fork Progression. <i>Cell Reports</i> , 2014, 9, 841-849.	6.4	36
11	Overexpression of the SuUR gene induces reversible modifications at pericentric, telomeric and intercalary heterochromatin of <i>Drosophila melanogaster</i> polytene chromosomes. <i>Journal of Cell Science</i> , 2003, 116, 169-176.	2.0	33
12	<i>Drosophila</i> SUUR protein associates with PCNA and binds chromatin in a cell cycle-dependent manner. <i>Chromosoma</i> , 2013, 122, 55-66.	2.2	33
13	Regulatory functions and chromatin loading dynamics of linker histone H1 during endoreplication in <i>Drosophila</i> . <i>Genes and Development</i> , 2017, 31, 603-616.	5.9	30
14	Polytene Chromosomes – A Portrait of Functional Organization of the <i>Drosophila</i> Genome. <i>Current Genomics</i> , 2018, 19, 179-191.	1.6	30
15	Immunofluorescence localization of DNA:RNA hybrids in <i>Drosophila melanogaster</i> polytene chromosomes. <i>Chromosoma</i> , 1985, 91, 251-258.	2.2	28
16	High-resolution analysis of <i>Drosophila</i> heterochromatin organization using <i>SuUR</i> <i>Su(var)3-9</i> double mutants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 12819-12824.	7.1	27
17	DNA underreplication in intercalary heterochromatin regions in polytene chromosomes of <i>Drosophila melanogaster</i> correlates with the formation of partial chromosomal aberrations and ectopic pairing. <i>Chromosoma</i> , 2006, 115, 355-366.	2.2	26
18	Interaction between the <i>Drosophila</i> heterochromatin proteins SUUR and HP1. <i>Journal of Cell Science</i> , 2008, 121, 1693-1703.	2.0	26

#	ARTICLE	IF	CITATIONS
19	Gene density profile reveals the marking of late replicated domains in the <i>Drosophila melanogaster</i> genome. <i>Chromosoma</i> , 2010, 119, 589-600.	2.2	26
20	Protein composition of interband regions in polytene and cell line chromosomes of <i>Drosophila melanogaster</i> . <i>BMC Genomics</i> , 2011, 12, 566.	2.8	24
21	Chromatin Heterogeneity and Distribution of Regulatory Elements in the Late-Replicating Intercalary Heterochromatin Domains of <i>Drosophila melanogaster</i> Chromosomes. <i>PLoS ONE</i> , 2016, 11, e0157147.	2.5	21
22	The SU(VAR)3-9/HP1 Complex Differentially Regulates the Compaction State and Degree of Underreplication of X Chromosome Pericentric Heterochromatin in <i>Drosophila melanogaster</i> . <i>Genetics</i> , 2007, 175, 609-620.	2.9	19
23	Banding patterns in <i>Drosophila melanogaster</i> polytene chromosomes correlate with DNA binding protein occupancy. <i>BioEssays</i> , 2012, 34, 498-508.	2.5	19
24	Similarity in replication timing between polytene and diploid cells is associated with the organization of the <i>Drosophila</i> genome. <i>PLoS ONE</i> , 2018, 13, e0195207.	2.5	19
25	Cytogenetic analysis of the X chromosome region 2B3-4 ? 2B11 of <i>Drosophila melanogaster</i> . <i>Chromosoma</i> , 1982, 86, 251-263.	2.2	16
26	Protein and Genetic Composition of Four Chromatin Types in <i>Drosophila melanogaster</i> Cell Lines. <i>Current Genomics</i> , 2017, 18, 214-226.	1.6	15
27	Intercalary heterochromatin in <i>Drosophila melanogaster</i> polytene chromosomes and the problem of genetic silencing. <i>Genetica</i> , 2003, 117, 259-270.	1.1	14
28	Molecular and genetic organization of <i>Drosophila melanogaster</i> polytene chromosomes: evidence for two types of interband regions. <i>Genetica</i> , 2004, 122, 311-324.	1.1	13
29	The SuUR gene influences the distribution of heterochromatic proteins HP1 and SU(VAR)3-9 on nurse cell polytene chromosomes of <i>Drosophila melanogaster</i> . <i>Chromosoma</i> , 2006, 115, 296-310.	2.2	13
30	Identification and molecular genetic characterization of the polytene chromosome interbands in <i>Drosophila melanogaster</i> . <i>Russian Journal of Genetics</i> , 2011, 47, 521-532.	0.6	13
31	Nurse cell polytene chromosomes of <i>Drosophila melanogaster</i> <i>otu</i> mutants: Morphological changes accompanying interallelic complementation and position effect variegation. , 1997, 20, 163-174.		12
32	Electron Microscopy of Polytene Chromosomes. , 2004, 247, 305-324.		11
33	Tethering of CHROMATOR and dCTCF proteins results in decompaction of condensed bands in the <i>Drosophila melanogaster</i> polytene chromosomes but does not affect their transcription and replication timing. <i>PLoS ONE</i> , 2018, 13, e0192634.	2.5	10
34	Induced decondensation of heterochromatin in <i>Drosophila melanogaster</i> polytene chromosomes under condition of ectopic expression of the Suppressor of underreplication gene. <i>Fly</i> , 2011, 5, 181-190.	1.7	9
35	Induced transcription results in local changes in chromatin structure, replication timing, and DNA polytenization in a site of intercalary heterochromatin. <i>Chromosoma</i> , 2012, 121, 573-583.	2.2	9
36	Tethering of SUUR and HP1 proteins results in delayed replication of euchromatic regions in <i>Drosophila melanogaster</i> polytene chromosomes. <i>Chromosoma</i> , 2015, 124, 209-220.	2.2	9

#	ARTICLE	IF	CITATIONS
37	Localization and characteristics of DNA underreplication zone in the 75C region of intercalary heterochromatin in <i>Drosophila melanogaster</i> polytene chromosomes. <i>Chromosoma</i> , 2009, 118, 747-761.	2.2	7
38	Late Replication Domains Are Evolutionary Conserved in the <i>Drosophila</i> Genome. <i>PLoS ONE</i> , 2013, 8, e83319.	2.5	7
39	Molecular and genetic organization of bands and interbands in the dot chromosome of <i>Drosophila melanogaster</i> . <i>Chromosoma</i> , 2019, 128, 97-117.	2.2	7
40	Profiling 25 Bone Marrow microRNAs in Acute Leukemias and Secondary Nonleukemic Hematopoietic Conditions. <i>Biomedicines</i> , 2020, 8, 607.	3.2	6
41	<i>Drosophila</i> polytene chromosome bands formed by gene introns. <i>Doklady Biochemistry and Biophysics</i> , 2016, 466, 57-60.	0.9	5
42	Faint gray bands in <i>Drosophila melanogaster</i> polytene chromosomes are formed by coding sequences of housekeeping genes. <i>Chromosoma</i> , 2020, 129, 25-44.	2.2	5
43	Intratumoral Heterogeneity of Expression of 16 miRNA in Luminal Cancer of the Mammary Gland. <i>Non-coding RNA</i> , 2020, 6, 16.	2.6	5
44	Effects of Mutations in the <i>Drosophila melanogaster</i> Rif1 Gene on the Replication and Underreplication of Pericentromeric Heterochromatin in Salivary Gland Polytene Chromosomes. <i>Cells</i> , 2020, 9, 1501.	4.1	5
45	Replication timing analysis in polyploid cells reveals Rif1 uses multiple mechanisms to promote underreplication in <i>Drosophila</i> . <i>Genetics</i> , 2021, 219, .	2.9	4
46	DNA replication in nurse cell polytene chromosomes of <i>Drosophila melanogaster</i> <i>otu</i> mutants. <i>Chromosoma</i> , 2015, 124, 95-106.	2.2	3
47	Structural and Functional Dissection of the 5â€™ ² Region of the Notch Gene in <i>Drosophila melanogaster</i> . <i>Genes</i> , 2019, 10, 1037.	2.4	3
48	Genes Containing Long Introns Occupy Series of Bands and Interbands in <i>Drosophila melanogaster</i> Polytene Chromosomes. <i>Genes</i> , 2020, 11, 417.	2.4	3
49	Selection of reference genes for quantitative analysis of microRNA expression in three different types of cancer. <i>PLoS ONE</i> , 2022, 17, e0254304.	2.5	3
50	Nucleosome Positioning around Transcription Start Site Correlates with Gene Expression Only for Active Chromatin State in <i>Drosophila</i> Interphase Chromosomes. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9282.	4.1	2
51	Molecular combing in studies of the genome organization and DNA replication. <i>Russian Journal of Genetics</i> , 2010, 46, 1243-1246.	0.6	1
52	Intercalary heterochromatin in the genome of <i>Drosophila</i> . <i>Russian Journal of Genetics</i> , 2010, 46, 1240-1242.	0.6	0
53	The Organization of Pericentromeric Heterochromatin in Polytene Chromosome 3 of the <i>Drosophila melanogaster</i> Line with the Rif11; SuURES Su(var)3-906 Mutations Suppressing Underreplication. <i>Cells</i> , 2021, 10, 2809.	4.1	0
54	Super-resolution microscopy reveals stochastic initiation of replication in <i>Drosophila</i> polytene chromosomes. <i>Chromosome Research</i> , 2022, , 1.	2.2	0