Sergio Pimpinelli

List of Publications by Year
in descending order

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53 papers	4,528 citations	136950 32 h-index	168389 53 g-index
53 all docs	53 docs citations	53 times ranked	3345 citing authors

#	Article	IF	Citations
1	The ISWI Chromatin-Remodeling Protein Is Required for Gene Expression and the Maintenance of Higher Order Chromatin Structure In Vivo. Molecular Cell, 2000, 5, 355-365.	9.7	352
2	The Heterochromatin Protein 1 Prevents Telomere Fusions in Drosophila. Molecular Cell, 1998, 2, 527-538.	9.7	279
3	FUNCTIONAL ELEMENTS IN DROSOPHILA MELANOGASTER HETEROCHROMATIN. Annual Review of Genetics, 1992, 26, 239-276.	7.6	262
4	Hsp90 prevents phenotypic variation by suppressing the mutagenic activity of transposons. Nature, 2010, 463, 662-665.	27.8	262
5	Heterochromatin, HP1 and methylation at lysine 9 of histone H3 in animals. Chromosoma, 2002, 111, 22-36.	2.2	244
6	Heterochromatin andtri-methylated lysine 20 of histone H4 in animals. Journal of Cell Science, 2004, 117, 2491-2501.	2.0	230
7	Heterochromatin protein 1 (HP1) is associated with induced gene expression in Drosophila euchromatin. Journal of Cell Biology, 2003, 161, 707-714.	5.2	200
8	Cytological and genetic analysis of the Y chromosome of Drosophila melanogaster. Chromosoma, 1983, 88, 349-373.	2.2	156
9	HP1 Controls Telomere Capping, Telomere Elongation, and Telomere Silencing by Two Different Mechanisms in Drosophila. Molecular Cell, 2004, 15, 467-476.	9.7	155
10	Characterization of Drosophila heterochromatin. Chromosoma, 1976, 57, 351-375.	2.2	141
11	Genetic and Molecular Characterization of sting, a Gene Involved in Crystal Formation and Meiotic Drive in the Male Germ Line of Drosophila melanogaster. Genetics, 1999, 151, 749-760.	2.9	135
12	Heterochromatin Protein 1 (HP1a) Positively Regulates Euchromatic Gene Expression through RNA Transcript Association and Interaction with hnRNPs in Drosophila. PLoS Genetics, 2009, 5, e1000670.	3.5	128
13	HP1: a functionally multifaceted protein. Current Opinion in Genetics and Development, 2008, 18, 169-174.	3.3	120
14	Distinct Cytoplasmic and Nuclear Fractions of Drosophila Heterochromatin Protein 1: Their Phosphorylation Levels and Associations with Origin Recognition Complex Proteins. Journal of Cell Biology, 1998, 142, 307-318.	5.2	115
15	Unusual kinetochores and chromatin diminution in Parascaris. Trends in Genetics, 1989, 5, 310-315.	6.7	111
16	Chapter 21 Looking at Drosophila Mitotic Chromosomes. Methods in Cell Biology, 1994, 44, 371-391.	1.1	108
17	Characterization of Drosophila heterochromatin. Chromosoma, 1976, 57, 377-386.	2.2	105
18	Chromosomal distribution of heterochromatin protein 1 (HP1) in Drosophila: a cytological map of euchromatic HP1 binding sites. Genetica, 2003, 117, 135-147.	1.1	100

#	Article	IF	Citations
19	ON BIOLOGICAL FUNCTIONS MAPPING TO THE HETEROCHROMATIN OF DROSOPHILA MELANOGASTER. Genetics, 1985, 109, 701-724.	2.9	100
20	A cell division mutant of drosophila with a functionally abnormal spindle. Cell, 1985, 41, 907-912.	28.9	95
21	Heterochromatin protein 1 binds transgene arrays. Chromosoma, 1998, 107, 286-292.	2.2	92
22	Transposons, environmental changes, and heritable induced phenotypic variability. Chromosoma, 2014, 123, 345-354.	2.2	91
23	Drosophila ATM and ATR checkpoint kinases control partially redundant pathways for telomere maintenance. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 15167-15172.	7.1	78
24	Segregation Distortion in Drosophila melanogaster: Genetic and Molecular Analyses. American Naturalist, 1991, 137, 287-331.	2.1	77
25	Centromeres from telomeres? The centromeric region of the Y chromosome of Drosophila melanogaster contains a tandem array of telomeric HeT-A- and TART-related sequences. Nucleic Acids Research, 1999, 27, 3318-3324.	14.5	62
26	Induced Chromosomal Exchange Directs the Segregation of Recombinant Chromatids in Mitosis of Drosophila. Genetics, 1998, 150, 173-188.	2.9	59
27	The GAGA factor ofDrosophilainteracts with SAP18, a Sin3â€associated polypeptide. EMBO Reports, 2000, 1, 253-259.	4.5	58
28	Cytological analysis of chromosomes in the two species Parascaris univalens and P. equorum. Chromosoma, 1986, 94, 1-10.	2.2	57
29	Imprinted control of gene activity in Drosophila. Current Biology, 1998, 8, 1273-1276.	3.9	54
30	The peculiar genetic organization of Drosophila heterochromatin. Trends in Genetics, 1986, 2, 17-20.	6.7	53
31	The Drosophila Polycomb group gene Sex combs extra encodes the ortholog of mammalian Ring1 proteins. Mechanisms of Development, 2004, 121, 449-462.	1.7	42
32	Canalization by Selection ofde NovoInduced Mutations. Genetics, 2017, 206, 1995-2006.	2.9	40
33	The Hsp70 chaperone is a major player in stress-induced transposable element activation. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 17943-17950.	7.1	40
34	Trans-splicing of the mod(mdg4) Complex Locus Is Conserved Between the Distantly Related Species Drosophila melanogaster and D. virilis. Genetics, 2005, 169, 723-736.	2.9	34
35	Environmental change and the evolution of genomes: Transposable elements as translators of phenotypic plasticity into genotypic variability. Functional Ecology, 2020, 34, 428-441.	3.6	30
36	Cytological dissection of sex chromosome heterochromatin of Drosophila hydei. Chromosoma, 1981, 84, 391-403.	2.2	27

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37	Heterochromatic Genes in Drosophila: A Comparative Analysis of Two Genes. Genetics, 2006, 173, 1433-1445.	2.9	26
38	The trithorax group and Pc group proteins are differentially involved in heterochromatin formation in Drosophila. Chromosoma, 2008, 117, 25-39.	2.2	26
39	Interaction systems between heterochromatin and euchromatin inDrosophila melanogaster. Genetica, 1994, 94, 267-274.	1.1	23
40	Heterochromatin protein 1 interacts with 5â€²UTR of transposable element ZAM in a sequence-specific fashion. Gene, 2007, 393, 1-10.	2.2	20
41	Structure, regulation and evolution of the crystal-Stellate system of Drosophila. Genetica, 2003, 117, 247-257.	1.1	19
42	Chromosome Healing Is Promoted by the Telomere Cap Component Hiphop in Drosophila. Genetics, 2017, 207, 949-959.	2.9	17
43	A strategy for mapping the heterochromatin of chromosome 2 of Drosophila melanogaster. Genetica, 2003, 117, 217-226.	1.1	15
44	Positive regulation of euchromatic gene expression by HP1a. Fly, 2010, 4, 299-301.	1.7	14
45	dSAP18 and dHDAC1 contribute to the functional regulation of the Drosophila Fab-7 element. Nucleic Acids Research, 2005, 33, 4857-4864.	14.5	12
46	Stress-induced strain and brain region-specific activation of LINE-1 transposons in adult mice. Stress, 2018, 21, 575-579.	1.8	12
47	Segregation Distortion in Drosophila melanogaster: Genomic Organization of Responder Sequences. Genetics, 1996, 144, 1665-1671.	2.9	12
48	THE GENETIC FACTORS ALTERED IN HOMOZYGOUS abo STOCKS OF DROSOPHILA MELANOGASTER. Genetics, 1986, 114, 885-895.	2.9	11
49	Carnitine suppression of position-effect variegation in Drosophila melanogaster. Molecular Genetics and Genomics, 1994, 244, 588-595.	2.4	10
50	Loss of Pol32 in Drosophila melanogaster Causes Chromosome Instability and Suppresses Variegation. PLoS ONE, 2015, 10, e0120859.	2.5	8
51	A subset of the elements of the 1731 retrotransposon family are preferentially located in regions of the Y chromosome that are polytenized in larval salivary glands of Drosophila melanogaster. Genetica, 2003, 117, 303-310.	1.1	4
52	Analysing the contribution of nucleic acids to the structure and properties of centric heterochromatin. Genetica, 2003, 117, 117-125.	1.1	4
53	Characterization of Gfat1 (zeppelin) and Gfat2, Essential Paralogous Genes Which Encode the Enzymes That Catalyze the Rate-Limiting Step in the Hexosamine Biosynthetic Pathway in Drosophila melanogaster. Cells, 2022, 11, 448.	4.1	3