Prim B Singh

List of Publications by Year
in descending order

101 papers	7,376 citations	53660 45 h-index	54797 84 g-index
105 all docs	105 docs citations	105 times ranked	6616 citing authors

#	Article	IF	Citations
1	HP1-Driven Micro-Phase Separation of Heterochromatin-Like Domains/Complexes. Epigenetics Insights, 2022, 15, 251686572211097.	0.6	2
2	Targeting Cbx3/HP1Î³ Induces LEF-1 and IL-21R to Promote Tumor-Infiltrating CD8 T-Cell Persistence. Frontiers in Immunology, 2021, 12, 738958.	2.2	2
3	Biology and Physics of Heterochromatin-Like Domains/Complexes. Cells, 2020, 9, 1881.	1.8	8
4	On the relations of phase separation and Hi-C maps to epigenetics. Royal Society Open Science, 2020, 7, 191976.	1.1	18
5	Deconstructing age reprogramming. Journal of Biosciences, 2019, 44, 1.	0.5	4
6	Maternal regulation of chromosomal imprinting in animals. Chromosoma, 2019, 128, 69-80.	1.0	11
7	Deconstructing age reprogramming. Journal of Biosciences, 2019, 44, .	0.5	2
8	Deletion of HP1Î³ in cardiac myocytes affects H4K20me3 levels but does not impact cardiac growth. Epigenetics and Chromatin, 2018, 11, 18.	1.8	12
9	Age reprogramming and epigenetic rejuvenation. Epigenetics and Chromatin, 2018, 11, 73.	1.8	29
10	L Chromosome Behaviour and Chromosomal Imprinting in Sciara Coprophila. Genes, 2018, 9, 440.	1.0	9
11	An HP1 isoform-specific feedback mechanism regulates Suv39h1 activity under stress conditions. Epigenetics, 2017, 12, 166-175.	1.3	22
12	Activityâ€•<scp>DEP</scp> endent Transposition. EMBO Reports, 2017, 18, 346-348.	2.0	5
13	Mammalian HP1 Isoforms Have Specific Roles in Heterochromatin Structure and Organization. Cell Reports, 2017, 21, 2048-2057.	2.9	63
14	Pericentric heterochromatin generated by HP1 protein interaction-defective histone methyltransferase Suv39h1.. Journal of Biological Chemistry, 2016, 291, 14393.	1.6	0
15	Heterochromatin and the molecular mechanisms of â€˜parent-of-originâ€™ effects in animals. Journal of Biosciences, 2016, 41, 759-786.	0.5	7
16	A hypomorphic Cbx3 allele causes prenatal growth restriction and perinatal energy homeostasis defects. Journal of Biosciences, 2015, 40, 325-338.	0.5	10
17	Heterochromatin Protein 1Î² (HP1Î²) has distinct functions and distinct nuclear distribution in pluripotent versus differentiated cells. Genome Biology, 2015, 16, 213.	3.8	55
18	Intrabody-mediated diverting of HP1Î² to the cytoplasm induces co-aggregation of H3â€“H4 histones and lamin-B receptor. Experimental Cell Research, 2015, 338, 70-81.	1.2	6

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19	Epigenome rejuvenation: HP1Î² mobility as a measure of pluripotent and senescent chromatin ground states. Scientific Reports, 2014, 4, 4789.	1.6	36
20	Distinct roles of KAP1, HP1 and G9a/GLP in silencing of the two-cell-specific retrotransposon MERVL in mouse ES cells. Epigenetics and Chromatin, 2013, 6, 15.	1.8	153
21	Pericentric Heterochromatin Generated by HP1 Protein Interaction-defective Histone Methyltransferase Suv39h1. Journal of Biological Chemistry, 2013, 288, 25285-25296.	1.6	28
22	Epigenetic rejuvenation. Genes To Cells, 2012, 17, 337-343.	0.5	32
23	HP1 Recruits Activity-Dependent Neuroprotective Protein to H3K9me3 Marked Pericentromeric Heterochromatin for Silencing of Major Satellite Repeats. PLoS ONE, 2011, 6, e15894.	1.1	66
24	H3K9me3-binding proteins are dispensable for SETDB1/H3K9me3-dependent retroviral silencing. Epigenetics and Chromatin, 2011, 4, 12.	1.8	43
25	Epigenotype switching at the CD14 and CD209 genes during differentiation of human monocytes to dendritic cells. Epigenetics, 2011, 6, 45-51.	1.3	44
26	Nuclear reprogramming and epigenetic rejuvenation. Journal of Biosciences, 2010, 35, 315-319.	0.5	17
27	The essential function of HP1Î²: a case of the tail wagging the dog?. Trends in Biochemical Sciences, 2010, 35, 115-123.	3.7	23
28	HP1Î³ function is required for male germ cell survival and spermatogenesis. Epigenetics and Chromatin, 2010, 3, 9.	1.8	59
29	Transcriptional Regulation of Mouse Mast Cell Protease-2 by Interleukin-15. Journal of Biological Chemistry, 2009, 284, 32635-32641.	1.6	10
30	Epigenetic marks for chromosome imprinting during spermatogenesis in coccids. Chromosoma, 2009, 118, 501-512.	1.0	22
31	HP1-Î² is required for development of the cerebral neocortex and neuromuscular junctions. Journal of Cell Biology, 2008, 183, 597-606.	2.3	103
32	Epigenetic regulation of facultative heterochromatinisation in Planococcus citri via the Me(3)K9H3-HP1-Me(3)K20H4 pathway. Journal of Cell Science, 2007, 120, 1072-1080.	1.2	33
33	Mammalian Polycomb Scmh1 mediates exclusion of Polycomb complexes from the XY body in the pachytene spermatocytes. Development (Cambridge), 2007, 134, 579-590.	1.2	57
34	Plasticity of HP1 proteins in mammalian cells. Journal of Cell Science, 2007, 120, 3415-3424.	1.2	75
35	Interleukin-21: A new modulator of immunity, infection, and cancer. Cytokine and Growth Factor Reviews, 2007, 18, 223-232.	3.2	80
36	Î³H2AX Foci Form Preferentially in Euchromatin after Ionising-Radiation. PLoS ONE, 2007, 2, e1057.	1.1	194

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37	Uncoupling global and fine-tuning replication timing determinants for mouse pericentric heterochromatin. Journal of Cell Biology, 2006, 174, 185-194.	2.3	62
38	Methylation-independent Binding to Histone H3 and Cell Cycle-dependent Incorporation of HP1Î² into Heterochromatin. Journal of Biological Chemistry, 2006, 281, 14350-14360.	1.6	31
39	Mutations in the heterochromatin protein 1 (HP1) hinge domain affect HP1 protein interactions and chromosomal distribution. Chromosoma, 2005, 113, 370-384.	1.0	44
40	Differential Subnuclear Localization and Replication Timing of Histone H3 Lysine 9 Methylation States. Molecular Biology of the Cell, 2005, 16, 2872-2881.	0.9	117
41	Epigenetic regulation of mammalian pericentric heterochromatin in vivo by HP1. Biochemical and Biophysical Research Communications, 2005, 337, 901-907.	1.0	64
42	Components of a Pathway Maintaining Histone Modification and Heterochromatin Protein 1 Binding at the Pericentric Heterochromatin in Mammalian Cells. Journal of Biological Chemistry, 2004, 279, 9539-9546.	1.6	49
43	In Vivo Dynamics of Swi6 in Yeast: Evidence for a Stochastic Model of Heterochromatin. Molecular and Cellular Biology, 2004, 24, 3157-3167.	1.1	74
44	Heterochromatin and tri-methylated lysine 20 of histone H4 in animals. Journal of Cell Science, 2004, 117, 2491-2501.	1.2	230
45	NF-Y Regulates the Antisense Promoter, Bidirectional Silencing, and Differential Epigenetic Marks of the Kcnq1 Imprinting Control Region. Journal of Biological Chemistry, 2004, 279, 52685-52693.	1.6	25
46	The Inner Nuclear Membrane Protein Lamin B Receptor Forms Distinct Microdomains and Links Epigenetically Marked Chromatin to the Nuclear Envelope. Journal of Biological Chemistry, 2004, 279, 25567-25573.	1.6	133
47	Highly Efficient mRNA-Based Gene Transfer in Feeder-Free Cultured H9 Human Embryonic Stem Cells. Cloning and Stem Cells, 2004, 6, 211-216.	2.6	18
48	Messenger RNA electroporation is highly efficient in mouse embryonic stem cells: successful FLPe- and Cre-mediated recombination. Gene Therapy, 2004, 11, 1606-1610.	2.3	17
49	Dimethylation of histone H3 lysine 9 is a critical mark for DNA methylation and gene silencing in Arabidopsis thaliana. Chromosoma, 2004, 112, 308-315.	1.0	289
50	Dynamic relocation of epigenetic chromatin markers reveals an active role of constitutive heterochromatin in the transition from proliferation to quiescence. Journal of Cell Science, 2004, 117, 6153-6162.	1.2	62
51	Mitotic phosphorylation of histone H3 at threonine 3. FEBS Letters, 2004, 560, 39-44.	1.3	88
52	Dynamic relocation of epigenetic chromatin markers reveals an active role of constitutive heterochromatin in the transition from proliferation to quiescence. Journal of Cell Science, 2004, 117, 6153-6162.	1.2	58
53	Efficient Non-Viral Transfection of Mouse and Human Embryonic Stem Cells.. Blood, 2004, 104, 5267-5267.	0.6	0
54	Composite cis-acting epigenetic switches in eukaryotes: lessons from Drosophila Fab-7 for the Igf2-H19 imprinted domain. Genetica, 2003, 117, 199-207.	0.5	3

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55	Trimethylated lysine 9 of histone H3 is a mark for DNA methylation in Neurospora crassa. Nature Genetics, 2003, 34, 75-79.	9.4	351
56	Maintenance of Stable Heterochromatin Domains by Dynamic HP1 Binding. Science, 2003, 299, 721-725.	6.0	559
57	Insulation of the Chicken Î²-Globin Chromosomal Domain from a Chromatin-Condensing Protein, MENT. Molecular and Cellular Biology, 2003, 23, 6455-6468.	1.1	35
58	HP1: Facts, open questions, and speculation. Journal of Structural Biology, 2002, 140, 10-16.	1.3	64
59	Maternal regulation of imprinting. Journal of Biosciences, 2002, 27, 437-438.	0.5	0
60	Heterochromatin, HP1 and methylation at lysine 9 of histone H3 in animals. Chromosoma, 2002, 111, 22-36.	1.0	244
61	Crystallization and preliminary crystallographic studies on the chromo shadow domain (CSD) of mouse heterochromatin protein M31. Acta Crystallographica Section D: Biological Crystallography, 2002, 58, 1051-1053.	2.5	0
62	The Ki-67 protein interacts with members of the heterochromatin protein 1 (HP1) family: a potential role in the regulation of higher-order chromatin structure. Journal of Pathology, 2002, 196, 135-144.	2.1	95
63	Loss of Heterochromatin Protein 1 (HP1) chromodomain function in mammalian cells by intracellular antibodies causes cell death. Journal of Cell Science, 2002, 115, 1803-1813.	1.2	28
64	Loss of heterochromatin protein 1 (HP1) chromodomain function in mammalian cells by intracellular antibodies causes cell death. Journal of Cell Science, 2002, 115, 1803-13.	1.2	18
65	The Gene and Pseudogenes of Cbx3/mHP1Î³. DNA Sequence, 2001, 12, 147-160.	0.7	13
66	Histones H3/H4 form a tight complex with the inner nuclear membrane protein LBR and heterochromatin protein 1. EMBO Reports, 2001, 2, 920-925.	2.0	160
67	Binding of Heterochromatin Protein 1 to the Nuclear Envelope Is Regulated by a Soluble Form of Tubulin. Journal of Biological Chemistry, 2001, 276, 13007-13014.	1.6	25
68	M31 and macroH2A1.2 colocalise at the pseudoautosomal region during mouse meiosis. Journal of Cell Science, 2001, 114, 3367-3375.	1.2	53
69	Mammalian chromodomain proteins: their role in genome organisation and expression. BioEssays, 2000, 22, 124-137.	1.2	245
70	Dynamic associations of heterochromatin protein 1 with the nuclear envelope. EMBO Journal, 2000, 19, 6558-6568.	3.5	99
71	Conservation of Heterochromatin Protein 1 Function. Molecular and Cellular Biology, 2000, 20, 6970-6983.	1.1	124
72	The Murine Heterochromatin Protein M31 Is Associated with the Chromocenter in Round Spermatids and Is a Component of Mature Spermatozoa. Experimental Cell Research, 2000, 254, 72-79.	1.2	53

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73	Embryonic inheritance of the chromatin organisation of the imprinted H19 domain in mouse spermatozoa. Mechanisms of Development, 2000, 90, 217-226.	1.7	12
74	KAP-1 Corepressor Protein Interacts and Colocalizes with Heterochromatic and Euchromatic HP1 Proteins: a Potential Role for KrÃ¼ppel-Associated Boxâ€“Zinc Finger Proteins in Heterochromatin-Mediated Gene Silencing. Molecular and Cellular Biology, 1999, 19, 4366-4378.	1.1	341
75	M31, a murine homolog of Drosophila HP1, is concentrated in the XY body during spermatogenesis. Cytogenetic and Genome Research, 1999, 86, 83-88.	0.6	53
76	Heterochromatin protein 1 modifies mammalian PEV in a dose- and chromosomal-context-Âdependent manner. Nature Genetics, 1999, 23, 457-461.	9.4	121
77	Functional mammalian homologues of the Drosophila PEV-modifier Su(var)3-9 encode centromere-associated proteins which complex with the heterochromatin component M31. EMBO Journal, 1999, 18, 1923-1938.	3.5	401
78	The present status of the 'carrier hypothesis' for chemosensory recognition of genetic individuality. Genetica, 1998, 104, 231-233.	0.5	11
79	Soluble MHC antigens and olfactory recognition of genetic individuality: the mechanism. Genetica, 1998, 104, 223-230.	0.5	12
80	Chromatin complexes as aperiodic microcrystalline arrays that regulate genome organisation and expression. , 1998, 22, 85-99.		24
81	TheM31 gene has a complex developmentally regulated expression profile and may encode alternative protein products that possess diverse subcellular localisation patterns. , 1998, 280, 288-303.		10
82	The fission yeast chromo domain encoding gene chp1(+) is required for chromosome segregation and shows a genetic interaction with alpha- tubulin. Nucleic Acids Research, 1998, 26, 4222-4229.	6.5	36
83	Structure of the chromatin binding (chromo) domain from mouse modifier protein 1. EMBO Journal, 1997, 16, 2473-2481.	3.5	160
84	M33, a mammalian homologue of Drosophila Polycomb localises to euchromatin within interphase nuclei but is enriched within the centromeric heterochromatin of metaphase chromosomes. Cytogenetic and Genome Research, 1997, 78, 50-55.	0.6	14
85	Modelling the Activity of theUltrabithoraxParasegment-specific Regulatory Domains Around Their Anterior Boundaries. Journal of Theoretical Biology, 1997, 186, 397-413.	0.8	4
86	M32, a murine homologue of Drosophila heterochromatin protein 1 (HP1), localises to euchromatin within interphase nuclei and is largely excluded from constitutive heterochromatin. Cytogenetic and Genome Research, 1996, 73, 308-311.	0.6	81
87	Cbx-rs2 (M31), a mouse homolog of the Drosophila Heterochromatin protein 1 gene, maps to distal Chromosome 11 and is nonallelic to Om. Mammalian Genome, 1995, 6, 469-471.	1.0	5
88	A mammalian homologue of Drosophila heterochromatin protein 1 (HP1) is a component of constitutive heterochromatin. Cytogenetic and Genome Research, 1994, 66, 99-103.	0.6	183
89	Molecular mechanisms of cellular determination: their relation to chromatin structure and parental imprinting. Journal of Cell Science, 1994, 107, 2653-2668.	1.2	75
90	Chromosomal localization of human homologs of the Drosophila heterochromatin protein 1 (HP1) gene. Mammalian Genome, 1993, 4, 124-126.	1.0	13

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91	Mapping of two human homologs of a Drosophila heterochromatin protein gene to the X Chromosome. Mammalian Genome, 1992, 3, 650-652.	1.0	4
92	Mapping of a mouse homolog of a Heterochromatin protein gene to the X Chromosome. Mammalian Genome, 1991, 2, 72-75.	1.0	20
93	A sequence motif found in aDrosophilaheterochromatin protein is conserved in animals and plants. Nucleic Acids Research, 1991, 19, 789-794.	6.5	288
94	Rearing rats in a germ-free environment eliminates their odors of individuality. Journal of Chemical Ecology, 1990, 16, 1667-1682.	0.9	79
95	A monoclonal antibody to a determinant of the rat T cell antigen receptor expressed by a minor subset of T cells. International Immunology, 1989, 1, 289-295.	1.8	19
96	Class I and class II regions of the major histocompatibility complex both contribute to individual odors in congenic inbred strains of rats. Behavior Genetics, 1989, 19, 659-674.	1.4	56
97	Class I transplantation antigens in solution in body fluids and in the urine. Individuality signals to the environment.. Journal of Experimental Medicine, 1988, 168, 195-211.	4.2	77
98	Olfactory Recognition of Congenic Strains of Rats. Annals of the New York Academy of Sciences, 1987, 510, 202-204.	1.8	0
99	The Major Histocompatibility Complex and the chemosensory recognition of individuality in rats. Physiology and Behavior, 1987, 40, 65-73.	1.0	148
100	MHC antigens in urine as olfactory recognition cues. Nature, 1987, 327, 161-164.	13.7	256
101	Mammalian chromodomain proteins: their role in genome organisation and expression. , 0, .		1