

Diego Pasini

List of Publications by Year in descending order

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Version: 2024-02-01

62
papers

12,617
citations

66234

42
h-index

114278

63
g-index

69
all docs

69
docs citations

69
times ranked

16083
citing authors

#	ARTICLE	IF	CITATIONS
1	UTX and JMJD3 are histone H3K27 demethylases involved in HOX gene regulation and development. Nature, 2007, 449, 731-734.	13.7	1,183
2	Genome-wide mapping of Polycomb target genes unravels their roles in cell fate transitions. Genes and Development, 2006, 20, 1123-1136.	2.7	1,098
3	EZH2 is downstream of the pRB-E2F pathway, essential for proliferation and amplified in cancer. EMBO Journal, 2003, 22, 5323-5335.	3.5	1,052
4	Suz12 is essential for mouse development and for EZH2 histone methyltransferase activity. EMBO Journal, 2004, 23, 4061-4071.	3.5	778
5	The Polycomb group proteins bind throughout the INK4A-ARF locus and are disassociated in senescent cells. Genes and Development, 2007, 21, 525-530.	2.7	775
6	A model for transmission of the H3K27me3 epigenetic mark. Nature Cell Biology, 2008, 10, 1291-1300.	4.6	656
7	The Polycomb Group Protein Suz12 Is Required for Embryonic Stem Cell Differentiation. Molecular and Cellular Biology, 2007, 27, 3769-3779.	1.1	628
8	JARID2 regulates binding of the Polycomb repressive complex to target genes in ES cells. Nature, 2010, 464, 306-310.	13.7	499
9	RBP2 Belongs to a Family of Demethylases, Specific for Tri- and Dimethylated Lysine 4 on Histone 3. Cell, 2007, 128, 1063-1076.	13.5	485
10	Polycomb-Dependent H3K27me1 and H3K27me2 Regulate Active Transcription and Enhancer Fidelity. Molecular Cell, 2014, 53, 49-62.	4.5	403
11	Polycomb Complex 2 Is Required for E-cadherin Repression by the Snail1 Transcription Factor. Molecular and Cellular Biology, 2008, 28, 4772-4781.	1.1	390
12	Characterization of an antagonistic switch between histone H3 lysine 27 methylation and acetylation in the transcriptional regulation of Polycomb group target genes. Nucleic Acids Research, 2010, 38, 4958-4969.	6.5	317
13	Polycomb complexes act redundantly to repress genomic repeats and genes. Genes and Development, 2010, 24, 265-276.	2.7	298
14	Amplification of Mdmx (or Mdm4) Directly Contributes to Tumor Formation by Inhibiting p53 Tumor Suppressor Activity. Molecular and Cellular Biology, 2004, 24, 5835-5843.	1.1	289
15	Tet Proteins Connect the O-Linked N-acetylglucosamine Transferase Ogt to Chromatin in Embryonic Stem Cells. Molecular Cell, 2013, 49, 645-656.	4.5	285
16	Coordinated regulation of transcriptional repression by the RBP2 H3K4 demethylase and Polycomb-Repressive Complex 2. Genes and Development, 2008, 22, 1345-1355.	2.7	282
17	Histone H2AK119 Mono-Ubiquitination Is Essential for Polycomb-Mediated Transcriptional Repression. Molecular Cell, 2020, 77, 840-856.e5.	4.5	234
18	Role of the Polycomb Repressive Complex 2 in Acute Promyelocytic Leukemia. Cancer Cell, 2007, 11, 513-525.	7.7	228

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19	Increased Lactate Secretion by Cancer Cells Sustains Non-cell-autonomous Adaptive Resistance to MET and EGFR Targeted Therapies. <i>Cell Metabolism</i> , 2018, 28, 848-865.e6.	7.2	184
20	Deregulated E2F Activity Induces Hyperplasia and Senescence-Like Features in the Mouse Pituitary Gland. <i>Molecular and Cellular Biology</i> , 2005, 25, 2660-2672.	1.1	178
21	Dissecting the role of H3K27 acetylation and methylation in PRC2 mediated control of cellular identity. <i>Nature Communications</i> , 2019, 10, 1679.	5.8	148
22	The H3K36me2 Methyltransferase Nsd1 Demarcates PRC2-Mediated H3K27me2 and H3K27me3 Domains in Embryonic Stem Cells. <i>Molecular Cell</i> , 2018, 70, 371-379.e5.	4.5	137
23	Functional Landscape of PCGF Proteins Reveals Both RING1A/B-Dependent-and RING1A/B-Independent-Specific Activities. <i>Molecular Cell</i> , 2019, 74, 1037-1052.e7.	4.5	128
24	Quantitative Mass Spectrometry of Histones H3.2 and H3.3 in Suz12-deficient Mouse Embryonic Stem Cells Reveals Distinct, Dynamic Post-translational Modifications at Lys-27 and Lys-36. <i>Molecular and Cellular Proteomics</i> , 2010, 9, 838-850.	2.5	121
25	Identification of a choroid plexus vascular barrier closing during intestinal inflammation. <i>Science</i> , 2021, 374, 439-448.	6.0	115
26	Chromatin regulated interchange between polycomb repressive complex 2 (PRC2)-Ezh2 and PRC2-Ezh1 complexes controls myogenin activation in skeletal muscle cells. <i>Epigenetics and Chromatin</i> , 2011, 4, 16.	1.8	113
27	Antagonism between DNA and H3K27 Methylation at the Imprinted Rasgrf1 Locus. <i>PLoS Genetics</i> , 2008, 4, e1000145.	1.5	111
28	Emerging roles for Polycomb proteins in cancer. <i>Current Opinion in Genetics and Development</i> , 2016, 36, 50-58.	1.5	105
29	Polycomb Complex PRC1 Preserves Intestinal Stem Cell Identity by Sustaining Wnt/ β 2-Catenin Transcriptional Activity. <i>Cell Stem Cell</i> , 2016, 18, 91-103.	5.2	97
30	Yin Yang 1 extends the Myc-related transcription factors network in embryonic stem cells. <i>Nucleic Acids Research</i> , 2012, 40, 3403-3418.	6.5	94
31	Polycomb Group Proteins in Cell Cycle Progression and Cancer. <i>Cell Cycle</i> , 2004, 3, 394-398.	1.3	86
32	Polycomb proteins control proliferation and transformation independently of cell cycle checkpoints by regulating DNA replication. <i>Nature Communications</i> , 2014, 5, 3649.	5.8	79
33	<scp>PRC</scp> 2 preserves intestinal progenitors and restricts secretory lineage commitment. <i>EMBO Journal</i> , 2016, 35, 2301-2314.	3.5	78
34	Precision Mapping of Coexisting Modifications in Histone H3 Tails from Embryonic Stem Cells by ETD-MS/MS. <i>Analytical Chemistry</i> , 2013, 85, 8232-8239.	3.2	70
35	Epigenetic factors in cancer development: Polycomb group proteins. <i>Future Oncology</i> , 2011, 7, 57-75.	1.1	65
36	NPAT Expression Is Regulated by E2F and Is Essential for Cell Cycle Progression. <i>Molecular and Cellular Biology</i> , 2003, 23, 2821-2833.	1.1	56

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37	VE-Cadherin-Mediated Epigenetic Regulation of Endothelial Gene Expression. <i>Circulation Research</i> , 2018, 122, 231-245.	2.0	54
38	Focal adhesion kinase depletion reduces human hepatocellular carcinoma growth by repressing enhancer of zeste homolog 2. <i>Cell Death and Differentiation</i> , 2017, 24, 889-902.	5.0	53
39	Cooperation Between MYC and β -Catenin in Liver Tumorigenesis Requires Yap/Taz. <i>Hepatology</i> , 2020, 72, 1430-1443.	3.6	51
40	The controversial role of the Polycomb group proteins in transcription and cancer: how much do we not understand Polycomb proteins?. <i>FEBS Journal</i> , 2015, 282, 1703-1722.	2.2	50
41	The Polycomb Repressive Complex 2 Is a Potential Target of SUMO Modifications. <i>PLoS ONE</i> , 2008, 3, e2704.	1.1	49
42	BAP1 enhances Polycomb repression by counteracting widespread H2AK119ub1 deposition and chromatin condensation. <i>Molecular Cell</i> , 2021, 81, 3526-3541.e8.	4.5	46
43	Fam60a defines a variant Sin3a-Hdac complex in embryonic stem cells required for self-renewal. <i>EMBO Journal</i> , 2017, 36, 2216-2232.	3.5	45
44	Isolation of Chromatin from Dysfunctional Telomeres Reveals an Important Role for Ring1b in NHEJ-Mediated Chromosome Fusions. <i>Cell Reports</i> , 2014, 7, 1320-1332.	2.9	43
45	Polycomb group proteins in cell cycle progression and cancer. <i>Cell Cycle</i> , 2004, 3, 396-400.	1.3	43
46	Colorectal cancer residual disease at maximal response to EGFR blockade displays a druggable Paneth cell-like phenotype. <i>Science Translational Medicine</i> , 2020, 12, .	5.8	40
47	PRMT1 Is Recruited via DNA-PK to Chromatin Where It Sustains the Senescence-Associated Secretory Phenotype in Response to Cisplatin. <i>Cell Reports</i> , 2020, 30, 1208-1222.e9.	2.9	40
48	Dysfunctional polycomb transcriptional repression contributes to lamin A/C-dependent muscular dystrophy. <i>Journal of Clinical Investigation</i> , 2020, 130, 2408-2421.	3.9	32
49	Epigenetic methylations and their connections with metabolism. <i>Cellular and Molecular Life Sciences</i> , 2013, 70, 1495-1508.	2.4	30
50	Prdm16-mediated H3K9 methylation controls fibro-adipogenic progenitors identity during skeletal muscle repair. <i>Science Advances</i> , 2021, 7, .	4.7	30
51	Transcription factor TLX1 controls retinoic acid signaling to ensure spleen development. <i>Journal of Clinical Investigation</i> , 2016, 126, 2452-2464.	3.9	30
52	Polycomb-dependent histone H2A ubiquitination links developmental disorders with cancer. <i>Trends in Genetics</i> , 2022, 38, 333-352.	2.9	27
53	Intestinal differentiation involves cleavage of histone H3 N-terminal tails by multiple proteases. <i>Nucleic Acids Research</i> , 2021, 49, 791-804.	6.5	21
54	Loss of PRC1 activity in different stem cell compartments activates a common transcriptional program with cell type-dependent outcomes. <i>Science Advances</i> , 2019, 5, eaav1594.	4.7	20

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55	Maintenance of leukemic cell identity by the activity of the Polycomb complex PRC1 in mice. <i>Science Advances</i> , 2016, 2, e1600972.	4.7	18
56	EpiMINE, a computational program for mining epigenomic data. <i>Epigenetics and Chromatin</i> , 2016, 9, 42.	1.8	12
57	Control of adult intestinal identity by the Polycomb repressive machinery. <i>Cell Cycle</i> , 2017, 16, 243-244.	1.3	11
58	Regulation and Function of DNA and Histone Methylations. <i>Current Pharmaceutical Design</i> , 2013, 19, 719-733.	0.9	8
59	Coordinated maintenance of H3K36/K27 methylation by histone demethylases preserves germ cell identity and immortality. <i>Cell Reports</i> , 2021, 37, 110050.	2.9	4
60	Polycomb group ring finger protein 6 suppresses Myc-induced lymphomagenesis. <i>Life Science Alliance</i> , 2022, 5, e202101344.	1.3	4
61	The Dual Role of EPOP and Elongin BC in Controlling Transcriptional Activity. <i>Molecular Cell</i> , 2016, 64, 637-638.	4.5	3
62	Mapping the Function of Polycomb Proteins. <i>Methods in Molecular Biology</i> , 2016, 1480, 3-6.	0.4	0