Diego Pasini

List of Publications by Year in descending order

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62 papers	12,617 citations	66343 42 h-index	114465 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.	27.8	1,183
2	Genome-wide mapping of Polycomb target genes unravels their roles in cell fate transitions. Genes and Development, 2006, 20, 1123-1136.	5.9	1,098
3	EZH2 is downstream of the pRB-E2F pathway, essential for proliferation and amplified in cancer. EMBO Journal, 2003, 22, 5323-5335.	7.8	1,052
4	Suz12 is essential for mouse development and for EZH2 histone methyltransferase activity. EMBO Journal, 2004, 23, 4061-4071.	7.8	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.	5.9	775
6	A model for transmission of the H3K27me3 epigenetic mark. Nature Cell Biology, 2008, 10, 1291-1300.	10.3	656
7	The Polycomb Group Protein Suz12 Is Required for Embryonic Stem Cell Differentiation. Molecular and Cellular Biology, 2007, 27, 3769-3779.	2.3	628
8	JARID2 regulates binding of the Polycomb repressive complexâ€‰2 to target genes in ES cells. Nature, 2010, 464, 306-310.	27.8	499
9	RBP2 Belongs to a Family of Demethylases, Specific for Tri-and Dimethylated Lysine 4 on Histone 3. Cell, 2007, 128, 1063-1076.	28.9	485
10	Polycomb-Dependent H3K27me1 and H3K27me2 Regulate Active Transcription and Enhancer Fidelity. Molecular Cell, 2014, 53, 49-62.	9.7	403
11	Polycomb Complex 2 Is Required for E-cadherin Repression by the Snail1 Transcription Factor. Molecular and Cellular Biology, 2008, 28, 4772-4781.	2.3	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.	14.5	317
13	Polycomb complexes act redundantly to repress genomic repeats and genes. Genes and Development, 2010, 24, 265-276.	5.9	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.	2.3	289
15	Tet Proteins Connect the O-Linked N-acetylglucosamine Transferase Ogt to Chromatin in Embryonic Stem Cells. Molecular Cell, 2013, 49, 645-656.	9.7	285
16	Coordinated regulation of transcriptional repression by the RBP2 H3K4 demethylase and Polycomb-Repressive Complex 2. Genes and Development, 2008, 22, 1345-1355.	5.9	282
17	Histone H2AK119 Mono-Ubiquitination Is Essential for Polycomb-Mediated Transcriptional Repression. Molecular Cell, 2020, 77, 840-856.e5.	9.7	234
18	Role of the Polycomb Repressive Complex 2 in Acute Promyelocytic Leukemia. Cancer Cell, 2007, 11, 513-525.	16.8	228

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19	Increased Lactate Secretion by Cancer Cells Sustains Non-cell-autonomous Adaptive Resistance to MET and EGFR Targeted Therapies. Cell Metabolism, 2018, 28, 848-865.e6.	16.2	184
20	Deregulated E2F Activity Induces Hyperplasia and Senescence-Like Features in the Mouse Pituitary Gland. Molecular and Cellular Biology, 2005, 25, 2660-2672.	2.3	178
21	Dissecting the role of H3K27 acetylation and methylation in PRC2 mediated control of cellular identity. Nature Communications, 2019, 10, 1679.	12.8	148
22	The H3K36me2 Methyltransferase Nsd1 Demarcates PRC2-Mediated H3K27me2 and H3K27me3 Domains in Embryonic Stem Cells. Molecular Cell, 2018, 70, 371-379.e5.	9.7	137
23	Functional Landscape of PCGF Proteins Reveals Both RING1A/B-Dependent-and RING1A/B-Independent-Specific Activities. Molecular Cell, 2019, 74, 1037-1052.e7.	9.7	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. Molecular and Cellular Proteomics, 2010, 9, 838-850.	3.8	121
25	Identification of a choroid plexus vascular barrier closing during intestinal inflammation. Science, 2021, 374, 439-448.	12.6	115
26	Chromatin regulated interchange between polycomb repressive complex 2 (PRC2)-Ezh2 and PRC2-Ezh1 complexes controls myogenin activation in skeletal muscle cells. Epigenetics and Chromatin, 2011, 4, 16.	3.9	113
27	Antagonism between DNA and H3K27 Methylation at the Imprinted Rasgrf1 Locus. PLoS Genetics, 2008, 4, e1000145.	3.5	111
28	Emerging roles for Polycomb proteins in cancer. Current Opinion in Genetics and Development, 2016, 36, 50-58.	3.3	105
29	Polycomb Complex PRC1 Preserves Intestinal Stem Cell Identity by Sustaining Wnt/Î²-Catenin Transcriptional Activity. Cell Stem Cell, 2016, 18, 91-103.	11.1	97
30	Yin Yang 1 extends the Myc-related transcription factors network in embryonic stem cells. Nucleic Acids Research, 2012, 40, 3403-3418.	14.5	94
31	Polycomb Group Proteins in Cell Cycle Progression and Cancer. Cell Cycle, 2004, 3, 394-398.	2.6	86
32	Polycomb proteins control proliferation and transformation independently of cell cycle checkpoints by regulating DNA replication. Nature Communications, 2014, 5, 3649.	12.8	79
33	<scp>PRC</scp> 2 preserves intestinal progenitors and restricts secretory lineage commitment. EMBO Journal, 2016, 35, 2301-2314.	7.8	78
34	Precision Mapping of Coexisting Modifications in Histone H3 Tails from Embryonic Stem Cells by ETD-MS/MS. Analytical Chemistry, 2013, 85, 8232-8239.	6.5	70
35	Epigenetic factors in cancer development: Polycomb group proteins. Future Oncology, 2011, 7, 57-75.	2.4	65
36	NPAT Expression Is Regulated by E2F and Is Essential for Cell Cycle Progression. Molecular and Cellular Biology, 2003, 23, 2821-2833.	2.3	56

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37	VE-Cadherinâ€“Mediated Epigenetic Regulation of Endothelial Gene Expression. Circulation Research, 2018, 122, 231-245.	4.5	54
38	Focal adhesion kinase depletion reduces human hepatocellular carcinoma growth by repressing enhancer of zeste homolog 2. Cell Death and Differentiation, 2017, 24, 889-902.	11.2	53
39	Cooperation Between MYC and Î²â€Catenin in Liver Tumorigenesis Requires Yap/Taz. Hepatology, 2020, 72, 1430-1443.	7.3	51
40	The controversial role of the Polycomb group proteins in transcription and cancer: how much do we not understand Polycomb proteins?. FEBS Journal, 2015, 282, 1703-1722.	4.7	50
41	The Polycomb Repressive Complex 2 Is a Potential Target of SUMO Modifications. PLoS ONE, 2008, 3, e2704.	2.5	49
42	BAP1 enhances Polycomb repression by counteracting widespread H2AK119ub1 deposition and chromatin condensation. Molecular Cell, 2021, 81, 3526-3541.e8.	9.7	46
43	Fam60a defines a variant Sin3aâ€Hdac complex in embryonic stem cells required for selfâ€renewal. EMBO Journal, 2017, 36, 2216-2232.	7.8	45
44	Isolation of Chromatin from Dysfunctional Telomeres Reveals an Important Role for Ring1b in NHEJ-Mediated Chromosome Fusions. Cell Reports, 2014, 7, 1320-1332.	6.4	43
45	Polycomb group proteins in cell cycle progression and cancer. Cell Cycle, 2004, 3, 396-400.	2.6	43
46	Colorectal cancer residual disease at maximal response to EGFR blockade displays a druggable Paneth cellâ€“like phenotype. Science Translational Medicine, 2020, 12, .	12.4	40
47	PRMT1 Is Recruited via DNA-PK to Chromatin Where It Sustains the Senescence-Associated Secretory Phenotype in Response to Cisplatin. Cell Reports, 2020, 30, 1208-1222.e9.	6.4	40
48	Dysfunctional polycomb transcriptional repression contributes to lamin A/Câ€“dependent muscular dystrophy. Journal of Clinical Investigation, 2020, 130, 2408-2421.	8.2	32
49	Epigenetic methylations and their connections with metabolism. Cellular and Molecular Life Sciences, 2013, 70, 1495-1508.	5.4	30
50	Prdm16-mediated H3K9 methylation controls fibro-adipogenic progenitors identity during skeletal muscle repair. Science Advances, 2021, 7, .	10.3	30
51	Transcription factor TLX1 controls retinoic acid signaling to ensure spleen development. Journal of Clinical Investigation, 2016, 126, 2452-2464.	8.2	30
52	Polycomb-dependent histone H2A ubiquitination links developmental disorders with cancer. Trends in Genetics, 2022, 38, 333-352.	6.7	27
53	Intestinal differentiation involves cleavage of histone H3 N-terminal tails by multiple proteases. Nucleic Acids Research, 2021, 49, 791-804.	14.5	21
54	Loss of PRC1 activity in different stem cell compartments activates a common transcriptional program with cell typeâ€“dependent outcomes. Science Advances, 2019, 5, eaav1594.	10.3	20

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55	Maintenance of leukemic cell identity by the activity of the Polycomb complex PRC1 in mice. Science Advances, 2016, 2, e1600972.	10.3	18
56	EpiMINE, a computational program for mining epigenomic data. Epigenetics and Chromatin, 2016, 9, 42.	3.9	12
57	Control of adult intestinal identity by the Polycomb repressive machinery. Cell Cycle, 2017, 16, 243-244.	2.6	11
58	Regulation and Function of DNA and Histone Methylations. Current Pharmaceutical Design, 2013, 19, 719-733.	1.9	8
59	Coordinated maintenance of H3K36/K27 methylation by histone demethylases preserves germ cell identity and immortality. Cell Reports, 2021, 37, 110050.	6.4	4
60	Polycomb group ring finger protein 6 suppresses Myc-induced lymphomagenesis. Life Science Alliance, 2022, 5, e202101344.	2.8	4
61	The Dual Role of EPOP and Elongin BC in Controlling Transcriptional Activity. Molecular Cell, 2016, 64, 637-638.	9.7	3
62	Mapping the Function of Polycomb Proteins. Methods in Molecular Biology, 2016, 1480, 3-6.	0.9	0