

# Diego Pasini

## List of Publications by Citations

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63

papers

10,127

citations

38

h-index

69

g-index

69

ext. papers

11,555

ext. citations

13.7

avg, IF

5.86

L-index

#	Paper	IF	Citations
63	UTX and JMJD3 are histone H3K27 demethylases involved in HOX gene regulation and development. <i>Nature</i> , <b>2007</b> , 449, 731-4	50.4	975
62	Genome-wide mapping of Polycomb target genes unravels their roles in cell fate transitions. <i>Genes and Development</i> , <b>2006</b> , 20, 1123-36	12.6	960
61	EZH2 is downstream of the pRB-E2F pathway, essential for proliferation and amplified in cancer. <i>EMBO Journal</i> , <b>2003</b> , 22, 5323-35	13	894
60	Suz12 is essential for mouse development and for EZH2 histone methyltransferase activity. <i>EMBO Journal</i> , <b>2004</b> , 23, 4061-71	13	670
59	The Polycomb group proteins bind throughout the INK4A-ARF locus and are disassociated in senescent cells. <i>Genes and Development</i> , <b>2007</b> , 21, 525-30	12.6	668
58	A model for transmission of the H3K27me3 epigenetic mark. <i>Nature Cell Biology</i> , <b>2008</b> , 10, 1291-300	23.4	558
57	The polycomb group protein Suz12 is required for embryonic stem cell differentiation. <i>Molecular and Cellular Biology</i> , <b>2007</b> , 27, 3769-79	4.8	549
56	JARID2 regulates binding of the Polycomb repressive complex 2 to target genes in ES cells. <i>Nature</i> , <b>2010</b> , 464, 306-10	50.4	427
55	RBP2 belongs to a family of demethylases, specific for tri- and dimethylated lysine 4 on histone 3. <i>Cell</i> , <b>2007</b> , 128, 1063-76	56.2	416
54	Polycomb complex 2 is required for E-cadherin repression by the Snail1 transcription factor. <i>Molecular and Cellular Biology</i> , <b>2008</b> , 28, 4772-81	4.8	336
53	Polycomb-dependent H3K27me1 and H3K27me2 regulate active transcription and enhancer fidelity. <i>Molecular Cell</i> , <b>2014</b> , 53, 49-62	17.6	302
52	Polycomb complexes act redundantly to repress genomic repeats and genes. <i>Genes and Development</i> , <b>2010</b> , 24, 265-76	12.6	264
51	Amplification of Mdmx (or Mdm4) directly contributes to tumor formation by inhibiting p53 tumor suppressor activity. <i>Molecular and Cellular Biology</i> , <b>2004</b> , 24, 5835-43	4.8	254
50	Characterization of an antagonistic switch between histone H3 lysine 27 methylation and acetylation in the transcriptional regulation of Polycomb group target genes. <i>Nucleic Acids Research</i> , <b>2010</b> , 38, 4958-69	20.1	251
49	Coordinated regulation of transcriptional repression by the RBP2 H3K4 demethylase and Polycomb-Repressive Complex 2. <i>Genes and Development</i> , <b>2008</b> , 22, 1345-55	12.6	246
48	Tet proteins connect the O-linked N-acetylglucosamine transferase Ogt to chromatin in embryonic stem cells. <i>Molecular Cell</i> , <b>2013</b> , 49, 645-56	17.6	231
47	Role of the polycomb repressive complex 2 in acute promyelocytic leukemia. <i>Cancer Cell</i> , <b>2007</b> , 11, 513-25	14.3	210

46	Deregulated E2F activity induces hyperplasia and senescence-like features in the mouse pituitary gland. <i>Molecular and Cellular Biology</i> , <b>2005</b> , 25, 2660-72	4.8	161
45	Histone H2AK119 Mono-Ubiquitination Is Essential for Polycomb-Mediated Transcriptional Repression. <i>Molecular Cell</i> , <b>2020</b> , 77, 840-856.e5	17.6	114
44	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> , <b>2010</b> , 9, 838-50	7.6	107
43	Increased Lactate Secretion by Cancer Cells Sustains Non-cell-autonomous Adaptive Resistance to MET and EGFR Targeted Therapies. <i>Cell Metabolism</i> , <b>2018</b> , 28, 848-865.e6	24.6	107
42	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> , <b>2011</b> , 4, 16	5.8	95
41	Antagonism between DNA and H3K27 methylation at the imprinted Rasgrf1 locus. <i>PLoS Genetics</i> , <b>2008</b> , 4, e1000145	6	94
40	Yin Yang 1 extends the Myc-related transcription factors network in embryonic stem cells. <i>Nucleic Acids Research</i> , <b>2012</b> , 40, 3403-18	20.1	79
39	Polycomb Complex PRC1 Preserves Intestinal Stem Cell Identity by Sustaining Wnt/ECatenin Transcriptional Activity. <i>Cell Stem Cell</i> , <b>2016</b> , 18, 91-103	18	73
38	Polycomb Group Proteins in Cell Cycle Progression and Cancer. <i>Cell Cycle</i> , <b>2004</b> , 3, 394-398	4.7	72
37	Dissecting the role of H3K27 acetylation and methylation in PRC2 mediated control of cellular identity. <i>Nature Communications</i> , <b>2019</b> , 10, 1679	17.4	71
36	Functional Landscape of PCGF Proteins Reveals Both RING1A/B-Dependent-and RING1A/B-Independent-Specific Activities. <i>Molecular Cell</i> , <b>2019</b> , 74, 1037-1052.e7	17.6	65
35	The H3K36me2 Methyltransferase Nsd1 Demarcates PRC2-Mediated H3K27me2 and H3K27me3 Domains in Embryonic Stem Cells. <i>Molecular Cell</i> , <b>2018</b> , 70, 371-379.e5	17.6	64
34	Polycomb proteins control proliferation and transformation independently of cell cycle checkpoints by regulating DNA replication. <i>Nature Communications</i> , <b>2014</b> , 5, 3649	17.4	61
33	Precision mapping of coexisting modifications in histone H3 tails from embryonic stem cells by ETD-MS/MS. <i>Analytical Chemistry</i> , <b>2013</b> , 85, 8232-9	7.8	60
32	Epigenetic factors in cancer development: polycomb group proteins. <i>Future Oncology</i> , <b>2011</b> , 7, 57-75	3.6	59
31	Emerging roles for Polycomb proteins in cancer. <i>Current Opinion in Genetics and Development</i> , <b>2016</b> , 36, 50-8	4.9	58
30	PRC2 preserves intestinal progenitors and restricts secretory lineage commitment. <i>EMBO Journal</i> , <b>2016</b> , 35, 2301-2314	13	51
29	NPAT expression is regulated by E2F and is essential for cell cycle progression. <i>Molecular and Cellular Biology</i> , <b>2003</b> , 23, 2821-33	4.8	50

28	The polycomb repressive complex 2 is a potential target of SUMO modifications. <i>PLoS ONE</i> , <b>2008</b> , 3, e2704	4.7	44
27	Polycomb group proteins in cell cycle progression and cancer. <i>Cell Cycle</i> , <b>2004</b> , 3, 396-400	4.7	42
26	Isolation of chromatin from dysfunctional telomeres reveals an important role for Ring1b in NHEJ-mediated chromosome fusions. <i>Cell Reports</i> , <b>2014</b> , 7, 1320-32	10.6	38
25	The controversial role of the Polycomb group proteins in transcription and cancer: how much do we not understand Polycomb proteins?. <i>FEBS Journal</i> , <b>2015</b> , 282, 1703-22	5.7	38
24	Focal adhesion kinase depletion reduces human hepatocellular carcinoma growth by repressing enhancer of zeste homolog 2. <i>Cell Death and Differentiation</i> , <b>2017</b> , 24, 889-902	12.7	36
23	VE-Cadherin-Mediated Epigenetic Regulation of Endothelial Gene Expression. <i>Circulation Research</i> , <b>2018</b> , 122, 231-245	15.7	32
22	PRMT1 Is Recruited via DNA-PK to Chromatin Where It Sustains the Senescence-Associated Secretory Phenotype in Response to Cisplatin. <i>Cell Reports</i> , <b>2020</b> , 30, 1208-1222.e9	10.6	24
21	Fam60a defines a variant Sin3a-Hdac complex in embryonic stem cells required for self-renewal. <i>EMBO Journal</i> , <b>2017</b> , 36, 2216-2232	13	23
20	Epigenetic methylations and their connections with metabolism. <i>Cellular and Molecular Life Sciences</i> , <b>2013</b> , 70, 1495-508	10.3	21
19	Identification of a choroid plexus vascular barrier closing during intestinal inflammation. <i>Science</i> , <b>2021</b> , 374, 439-448	33.3	21
18	Cooperation Between MYC and $\beta$ Catenin in Liver Tumorigenesis Requires Yap/Taz. <i>Hepatology</i> , <b>2020</b> , 72, 1430-1443	11.2	18
17	Transcription factor TLX1 controls retinoic acid signaling to ensure spleen development. <i>Journal of Clinical Investigation</i> , <b>2016</b> , 126, 2452-64	15.9	18
16	Dysfunctional polycomb transcriptional repression contributes to lamin A/C-dependent muscular dystrophy. <i>Journal of Clinical Investigation</i> , <b>2020</b> , 130, 2408-2421	15.9	16
15	Maintenance of leukemic cell identity by the activity of the Polycomb complex PRC1 in mice. <i>Science Advances</i> , <b>2016</b> , 2, e1600972	14.3	15
14	Colorectal cancer residual disease at maximal response to EGFR blockade displays a druggable Paneth cell-like phenotype. <i>Science Translational Medicine</i> , <b>2020</b> , 12,	17.5	11
13	Intestinal differentiation involves cleavage of histone H3 N-terminal tails by multiple proteases. <i>Nucleic Acids Research</i> , <b>2021</b> , 49, 791-804	20.1	11
12	Loss of PRC1 activity in different stem cell compartments activates a common transcriptional program with cell type-dependent outcomes. <i>Science Advances</i> , <b>2019</b> , 5, eaav1594	14.3	10
11	Prdm16-mediated H3K9 methylation controls fibro-adipogenic progenitors identity during skeletal muscle repair. <i>Science Advances</i> , <b>2021</b> , 7,	14.3	10

10	BAP1 enhances Polycomb repression by counteracting widespread H2AK119ub1 deposition and chromatin condensation. <i>Molecular Cell</i> , <b>2021</b> , 81, 3526-3541.e8	17.6	10
9	Regulation and Function of DNA and Histone Methylations. <i>Current Pharmaceutical Design</i> , <b>2013</b> , 19, 719-733	3.3	8
8	EpiMINE, a computational program for mining epigenomic data. <i>Epigenetics and Chromatin</i> , <b>2016</b> , 9, 42	5.8	7
7	Polycomb-dependent histone H2A ubiquitination links developmental disorders with cancer. <i>Trends in Genetics</i> , <b>2021</b> ,	8.5	5
6	Histone H2AK119 Mono-Ubiquitination is Essential for Polycomb-Mediated Transcriptional Repression		3
5	Cooperation between MYC and Ectatinin in liver tumorigenesis requires Yap/Taz		2
4	BAP1 activity regulates PcG occupancy and global chromatin condensation counteracting diffuse PCGF3/5-dependent H2AK119ub1 deposition		1
3	The Dual Role of EPOP and Elongin BC in Controlling Transcriptional Activity. <i>Molecular Cell</i> , <b>2016</b> , 64, 637-638	17.6	0
2	Coordinated maintenance of H3K36/K27 methylation by histone demethylases preserves germ cell identity and immortality. <i>Cell Reports</i> , <b>2021</b> , 37, 110050	10.6	0
1	Mapping the Function of Polycomb Proteins. <i>Methods in Molecular Biology</i> , <b>2016</b> , 1480, 3-6	1.4	