

Yi Zhang

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

206
papers

53,235
citations

103
h-index

223
g-index

223
ext. papers

59,659
ext. citations

19.1
avg, IF

7.93
L-index

#	Paper	IF	Citations
206	Profiling and functional characterization of maternal mRNA translation during mouse maternal-to-zygotic transition.. <i>Science Advances</i> , 2022 , 8, eabj3967	14.3	6
205	Impaired KDM2B-mediated PRC1 recruitment to chromatin causes defective neural stem cell self-renewal and ASD/ID-like behaviors.. <i>IScience</i> , 2022 , 25, 103742	6.1	1
204	Loss of Slc38a4 imprinting is a major cause of mouse placenta hyperplasia in somatic cell nuclear transferred embryos at late gestation.. <i>Cell Reports</i> , 2022 , 38, 110407	10.6	1
203	Cell type-specific mechanism of Setd1a heterozygosity in schizophrenia pathogenesis.. <i>Science Advances</i> , 2022 , 8, eabm1077	14.3	1
202	TARSII and CARSII: Two approaches for SNP-independent identification of germline differentially methylated regions in mammals.. <i>STAR Protocols</i> , 2022 , 3, 101240	1.4	
201	Analysis of developmental imprinting dynamics in primates using SNP-free methods to identify imprinting defects in cloned placenta. <i>Developmental Cell</i> , 2021 , 56, 2826-2840.e7	10.2	2
200	Decoding molecular and cellular heterogeneity of mouse nucleus accumbens. <i>Nature Neuroscience</i> , 2021 , 24, 1757-1771	25.5	5
199	eccDNAs are apoptotic products with high innate immunostimulatory activity. <i>Nature</i> , 2021 , 599, 308-314	40.4	16
198	Distinct dynamics and functions of H2AK119ub1 and H3K27me3 in mouse preimplantation embryos. <i>Nature Genetics</i> , 2021 , 53, 551-563	36.3	22
197	AHCYL1 senses SAH to inhibit autophagy through interaction with PIK3C3 in an MTORC1-independent manner. <i>Autophagy</i> , 2021 , 1-11	10.2	7
196	The role of the PZP domain of AF10 in acute leukemia driven by AF10 translocations. <i>Nature Communications</i> , 2021 , 12, 4130	17.4	1
195	DPPA2 and DPPA4 are dispensable for mouse zygotic genome activation and preimplantation development. <i>Development (Cambridge)</i> , 2021 ,	6.6	4
194	A transcriptional roadmap for 2C-like-to-pluripotent state transition. <i>Science Advances</i> , 2020 , 6, eaay5181	14.3	13
193	Maternal H3K27me3-dependent autosomal and X chromosome imprinting. <i>Nature Reviews Genetics</i> , 2020 , 21, 555-571	30.1	28
192	Epigenetic regulation of mouse preimplantation embryo development. <i>Current Opinion in Genetics and Development</i> , 2020 , 64, 13-20	4.9	7
191	The chromatin remodeler Snf2h is essential for oocyte meiotic cell cycle progression. <i>Genes and Development</i> , 2020 , 34, 166-178	12.6	10
190	Role of Mammalian DNA Methyltransferases in Development. <i>Annual Review of Biochemistry</i> , 2020 , 89, 135-158	29.1	54

189	A novel antiviral lncRNA, EDAL, shields a T309 O-GlcNAcylation site to promote EZH2 lysosomal degradation. <i>Genome Biology</i> , 2020 , 21, 228	18.3	16
188	Cell type-specific transcriptional programs in mouse prefrontal cortex during adolescence and addiction. <i>Nature Communications</i> , 2019 , 10, 4169	17.4	36
187	A rapid and versatile tool for genomic engineering in <i>Lactococcus lactis</i> . <i>Microbial Cell Factories</i> , 2019 , 18, 22	6.4	38
186	Loss of DUX causes minor defects in zygotic genome activation and is compatible with mouse development. <i>Nature Genetics</i> , 2019 , 51, 947-951	36.3	76
185	Myc and Dnmt1 impede the pluripotent to totipotent state transition in embryonic stem cells. <i>Nature Cell Biology</i> , 2019 , 21, 835-844	23.4	36
184	In vivo nuclear capture and molecular profiling identifies Gmeb1 as a transcriptional regulator essential for dopamine neuron function. <i>Nature Communications</i> , 2019 , 10, 2508	17.4	2
183	Methylation of Histone H3K79 by Dot1L Requires Multiple Contacts with the Ubiquitinated Nucleosome. <i>Molecular Cell</i> , 2019 , 74, 862-863	17.6	6
182	Maternal-biased H3K27me3 correlates with paternal-specific gene expression in the human morula. <i>Genes and Development</i> , 2019 , 33, 382-387	12.6	24
181	MTA2/NuRD Regulates B Cell Development and Cooperates with OCA-B in Controlling the Pre-B to Immature B Cell Transition. <i>Cell Reports</i> , 2019 , 28, 472-485.e5	10.6	11
180	Allelic H3K27me3 to allelic DNA methylation switch maintains noncanonical imprinting in extraembryonic cells. <i>Science Advances</i> , 2019 , 5, eaay7246	14.3	35
179	Two-phase differential expression analysis for single cell RNA-seq. <i>Bioinformatics</i> , 2018 , 34, 3340-3348	7.2	21
178	Loss of H3K27me3 Imprinting in Somatic Cell Nuclear Transfer Embryos Disrupts Post-Implantation Development. <i>Cell Stem Cell</i> , 2018 , 23, 343-354.e5	18	65
177	Somatic Cell Nuclear Transfer Reprogramming: Mechanisms and Applications. <i>Cell Stem Cell</i> , 2018 , 23, 471-485	18	120
176	Maternal knockout causes loss of H3K27me3 imprinting and random X inactivation in the extraembryonic cells. <i>Genes and Development</i> , 2018 , 32, 1525-1536	12.6	47
175	KDM3A histone demethylase functions as an essential factor for activation of JAK2-STAT3 signaling pathway. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 11766-11771	11.5	17
174	Reprogramming of Chromatin Accessibility in Somatic Cell Nuclear Transfer Is DNA Replication Independent. <i>Cell Reports</i> , 2018 , 23, 1939-1947	10.6	19
173	Hsp90 inhibition destabilizes Ezh2 protein in alloreactive T cells and reduces graft-versus-host disease in mice. <i>Blood</i> , 2017 , 129, 2737-2748	2.2	21
172	TET-mediated active DNA demethylation: mechanism, function and beyond. <i>Nature Reviews Genetics</i> , 2017 , 18, 517-534	30.1	698

171	Single-Cell RNA-Seq Reveals Hypothalamic Cell Diversity. <i>Cell Reports</i> , 2017 , 18, 3227-3241	10.6	271
170	Simultaneous mapping of active DNA demethylation and sister chromatid exchange in single cells. <i>Genes and Development</i> , 2017 , 31, 511-523	12.6	34
169	Genomic imprinting of by maternal H3K27me3. <i>Genes and Development</i> , 2017 , 31, 1927-1932	12.6	73
168	The Role of N-Acetyltransferase 10 Protein in DNA Methylation and Genomic Imprinting. <i>Molecular Cell</i> , 2017 , 68, 89-103.e7	17.6	28
167	Covalent Modifications of Histone H3K9 Promote Binding of CHD3. <i>Cell Reports</i> , 2017 , 21, 455-466	10.6	20
166	Maternal H3K27me3 controls DNA methylation-independent imprinting. <i>Nature</i> , 2017 , 547, 419-424	50.4	217
165	Establishing Chromatin Regulatory Landscape during Mouse Preimplantation Development. <i>Cell</i> , 2016 , 165, 1375-1388	56.2	158
164	Cold-inducible RNA-binding protein CIRP/hnRNP A18 regulates telomerase activity in a temperature-dependent manner. <i>Nucleic Acids Research</i> , 2016 , 44, 761-75	20.1	34
163	Cancer mediates effector T cell dysfunction by targeting microRNAs and EZH2 via glycolysis restriction. <i>Nature Immunology</i> , 2016 , 17, 95-103	19.1	234
162	Intracerebral Distribution of the Oncometabolite d-2-Hydroxyglutarate in Mice Bearing Mutant Isocitrate Dehydrogenase Brain Tumors: Implications for Tumorigenesis. <i>Frontiers in Oncology</i> , 2016 , 6, 211	5.3	5
161	Hypo-CpG methylation controls PTEN expression and cell apoptosis in irradiated lung. <i>Free Radical Research</i> , 2016 , 50, 875-86	4	10
160	Base-resolution profiling of active DNA demethylation using MAB-seq and caMAB-seq. <i>Nature Protocols</i> , 2016 , 11, 1081-100	18.8	22
159	Loss of HDAC-Mediated Repression and Gain of NF- κ B Activation Underlie Cytokine Induction in ARID1A- and PIK3CA-Mutation-Driven Ovarian Cancer. <i>Cell Reports</i> , 2016 , 17, 275-288	10.6	31
158	Cell totipotency: molecular features, induction, and maintenance. <i>National Science Review</i> , 2015 , 2, 217-225	41	
157	The lncRNA DEANR1 facilitates human endoderm differentiation by activating FOXA2 expression. <i>Cell Reports</i> , 2015 , 11, 137-48	10.6	102
156	Histone Demethylase Expression Enhances Human Somatic Cell Nuclear Transfer Efficiency and Promotes Derivation of Pluripotent Stem Cells. <i>Cell Stem Cell</i> , 2015 , 17, 758-766	18	119
155	Charting oxidized methylcytosines at base resolution. <i>Nature Structural and Molecular Biology</i> , 2015 , 22, 656-61	17.6	47
154	Genome-wide detection of DNase I hypersensitive sites in single cells and FFPE tissue samples. <i>Nature</i> , 2015 , 528, 142-6	50.4	228

153	Cell cycle and p53 gate the direct conversion of human fibroblasts to dopaminergic neurons. <i>Nature Communications</i> , 2015 , 6, 10100	17.4	82
152	Haploinsufficiency, but not defective paternal 5mC oxidation, accounts for the developmental defects of maternal Tet3 knockouts. <i>Cell Reports</i> , 2015 , 10, 463-70	10.6	32
151	DNA methylation in mammals. <i>Cold Spring Harbor Perspectives in Biology</i> , 2014 , 6, a019133	10.2	492
150	Mechanisms of epigenetic memory and addiction. <i>EMBO Journal</i> , 2014 , 33, 1091-103	13	39
149	Reversing DNA methylation: mechanisms, genomics, and biological functions. <i>Cell</i> , 2014 , 156, 45-68	56.2	738
148	Single-base resolution analysis of active DNA demethylation using methylase-assisted bisulfite sequencing. <i>Nature Biotechnology</i> , 2014 , 32, 1231-40	44.5	107
147	Embryonic development following somatic cell nuclear transfer impeded by persisting histone methylation. <i>Cell</i> , 2014 , 159, 884-95	56.2	271
146	Telbivudine treatment corrects HBV-induced epigenetic alterations in liver cells of patients with chronic hepatitis B. <i>Carcinogenesis</i> , 2014 , 35, 53-61	4.6	9
145	Neocortical Tet3-mediated accumulation of 5-hydroxymethylcytosine promotes rapid behavioral adaptation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 7120-5	11.5	145
144	Tet3 and DNA replication mediate demethylation of both the maternal and paternal genomes in mouse zygotes. <i>Cell Stem Cell</i> , 2014 , 15, 459-471	18	161
143	Mechanism and function of oxidative reversal of DNA and RNA methylation. <i>Annual Review of Biochemistry</i> , 2014 , 83, 585-614	29.1	243
142	Role of Tet proteins in enhancer activity and telomere elongation. <i>Genes and Development</i> , 2014 , 28, 2103-19	12.6	176
141	Nucleosome assembly is required for nuclear pore complex assembly in mouse zygotes. <i>Nature Structural and Molecular Biology</i> , 2014 , 21, 609-16	17.6	107
140	Aberrant upregulation of 14-3-3 β and EZH2 expression serves as an inferior prognostic biomarker for hepatocellular carcinoma. <i>PLoS ONE</i> , 2014 , 9, e107251	3.7	25
139	Lysine glutarylation is a protein posttranslational modification regulated by SIRT5. <i>Cell Metabolism</i> , 2014 , 19, 605-17	24.6	496
138	Regulation of TET protein stability by calpains. <i>Cell Reports</i> , 2014 , 6, 278-84	10.6	68
137	Genetic and epigenetic variations in iPSCs: potential causes and implications for application. <i>Cell Stem Cell</i> , 2013 , 13, 149-59	18	263
136	Double nicking by RNA-guided CRISPR Cas9 for enhanced genome editing specificity. <i>Cell</i> , 2013 , 154, 1380-9	56.2	2348

135	TET enzymes, TDG and the dynamics of DNA demethylation. <i>Nature</i> , 2013 , 502, 472-9	50.4	1026
134	Role of Tet1 in erasure of genomic imprinting. <i>Nature</i> , 2013 , 504, 460-4	50.4	164
133	The dynamics of polycomb group proteins in early embryonic nervous system in mouse and human. <i>International Journal of Developmental Neuroscience</i> , 2013 , 31, 487-95	2.7	9
132	Histone H3K27me3 demethylases KDM6A and KDM6B modulate definitive endoderm differentiation from human ESCs by regulating WNT signaling pathway. <i>Cell Research</i> , 2013 , 23, 122-30	24.7	100
131	5-Hydroxymethylcytosine: generation, fate, and genomic distribution. <i>Current Opinion in Cell Biology</i> , 2013 , 25, 289-96	9	107
130	Embryonic stem cell and induced pluripotent stem cell: an epigenetic perspective. <i>Cell Research</i> , 2013 , 23, 49-69	24.7	127
129	Double Nicking by RNA-Guided CRISPR Cas9 for Enhanced Genome Editing Specificity. <i>Cell</i> , 2013 , 155, 479-480	56.2	39
128	An extensive network of TET2-targeting MicroRNAs regulates malignant hematopoiesis. <i>Cell Reports</i> , 2013 , 5, 471-81	10.6	109
127	Kdm2b maintains murine embryonic stem cell status by recruiting PRC1 complex to CpG islands of developmental genes. <i>Nature Cell Biology</i> , 2013 , 15, 373-84	23.4	225
126	Silencing the EZH2 gene by RNA interference reverses the drug resistance of human hepatic multidrug-resistant cancer cells to 5-Fu. <i>Life Sciences</i> , 2013 , 92, 896-902	6.8	19
125	Genome-wide analysis reveals TET- and TDG-dependent 5-methylcytosine oxidation dynamics. <i>Cell</i> , 2013 , 153, 692-706	56.2	390
124	WNT3 is a biomarker capable of predicting the definitive endoderm differentiation potential of hESCs. <i>Stem Cell Reports</i> , 2013 , 1, 46-52	8	44
123	Histone methyltransferase and histone methylation in inflammatory T-cell responses. <i>Immunotherapy</i> , 2013 , 5, 989-1004	3.8	27
122	Ikkap/Elp1 deficiency causes male infertility by disrupting meiotic progression. <i>PLoS Genetics</i> , 2013 , 9, e1003516	6	40
121	Dynamics of 5-methylcytosine and 5-hydroxymethylcytosine during germ cell reprogramming. <i>Cell Research</i> , 2013 , 23, 329-39	24.7	125
120	RNAi-mediated EZH2 depletion decreases MDR1 expression and sensitizes multidrug-resistant hepatocellular carcinoma cells to chemotherapy. <i>Oncology Reports</i> , 2013 , 29, 1037-42	3.5	18
119	Essential role of PR-domain protein MDS1-EVI1 in MLL-AF9 leukemia. <i>Blood</i> , 2013 , 122, 2888-92	2.2	14
118	Inhibition of histone methylation arrests ongoing graft-versus-host disease in mice by selectively inducing apoptosis of alloreactive effector T cells. <i>Blood</i> , 2012 , 119, 1274-82	2.2	54

117	Tet1 controls meiosis by regulating meiotic gene expression. <i>Nature</i> , 2012 , 492, 443-7	50.4	207
116	Early embryos reprogram DNA methylation in two steps. <i>Cell Stem Cell</i> , 2012 , 10, 487-9	18	11
115	Kdm2b promotes induced pluripotent stem cell generation by facilitating gene activation early in reprogramming. <i>Nature Cell Biology</i> , 2012 , 14, 457-66	23.4	137
114	AID/APOBEC deaminases disfavor modified cytosines implicated in DNA demethylation. <i>Nature Chemical Biology</i> , 2012 , 8, 751-8	11.7	238
113	Transcriptional activation of transposable elements in mouse zygotes is independent of Tet3-mediated 5-methylcytosine oxidation. <i>Cell Research</i> , 2012 , 22, 1640-9	24.7	40
112	Tudor staphylococcal nuclease (Tudor-SN) participates in small ribonucleoprotein (snRNP) assembly via interacting with symmetrically dimethylated Sm proteins. <i>Journal of Biological Chemistry</i> , 2012 , 287, 18130-41	5.4	39
111	Enzymatic analysis of Tet proteins: key enzymes in the metabolism of DNA methylation. <i>Methods in Enzymology</i> , 2012 , 512, 93-105	1.7	33
110	Generation and replication-dependent dilution of 5fC and 5caC during mouse preimplantation development. <i>Cell Research</i> , 2011 , 21, 1670-6	24.7	220
109	Tet1 and 5-hydroxymethylation: a genome-wide view in mouse embryonic stem cells. <i>Cell Cycle</i> , 2011 , 10, 2428-36	4.7	113
108	The diverse functions of Dot1 and H3K79 methylation. <i>Genes and Development</i> , 2011 , 25, 1345-58	12.6	401
107	The first identification of lysine malonylation substrates and its regulatory enzyme. <i>Molecular and Cellular Proteomics</i> , 2011 , 10, M111.012658	7.6	482
106	Tet proteins can convert 5-methylcytosine to 5-formylcytosine and 5-carboxylcytosine. <i>Science</i> , 2011 , 333, 1300-3	33.3	2426
105	Replication-dependent loss of 5-hydroxymethylcytosine in mouse preimplantation embryos. <i>Science</i> , 2011 , 334, 194	33.3	384
104	Mastermind mutations generate a unique constellation of midline cells within the Drosophila CNS. <i>PLoS ONE</i> , 2011 , 6, e26197	3.7	4
103	KDM2b/JHDM1b, an H3K36me2-specific demethylase, is required for initiation and maintenance of acute myeloid leukemia. <i>Blood</i> , 2011 , 117, 3869-80	2.2	157
102	DOT1L, the H3K79 methyltransferase, is required for MLL-AF9-mediated leukemogenesis. <i>Blood</i> , 2011 , 117, 6912-22	2.2	195
101	Dual functions of Tet1 in transcriptional regulation in mouse embryonic stem cells. <i>Nature</i> , 2011 , 473, 389-93	50.4	496
100	Oncometabolite 2-hydroxyglutarate is a competitive inhibitor of α -ketoglutarate-dependent dioxygenases. <i>Cancer Cell</i> , 2011 , 19, 17-30	24.3	1919

99	Genome-wide analysis of 5-hydroxymethylcytosine distribution reveals its dual function in transcriptional regulation in mouse embryonic stem cells. <i>Genes and Development</i> , 2011 , 25, 679-84	12.6	431
98	Mechanisms and functions of Tet protein-mediated 5-methylcytosine oxidation. <i>Genes and Development</i> , 2011 , 25, 2436-52	12.6	487
97	Essential role of DOT1L in maintaining normal adult hematopoiesis. <i>Cell Research</i> , 2011 , 21, 1370-3	24.7	53
96	DOT1L regulates dystrophin expression and is critical for cardiac function. <i>Genes and Development</i> , 2011 , 25, 263-74	12.6	102
95	The histone methyltransferase Set7/9 promotes myoblast differentiation and myofibril assembly. <i>Journal of Cell Biology</i> , 2011 , 194, 551-65	7.3	81
94	Cyclin-dependent kinase 1 (CDK1)-mediated phosphorylation of enhancer of zeste 2 (Ezh2) regulates its stability. <i>Journal of Biological Chemistry</i> , 2011 , 286, 28511-9	5.4	95
93	Role of H3K27 methylation in the regulation of lncRNA expression. <i>Cell Research</i> , 2010 , 20, 1109-16	24.7	97
92	AOF1 is a histone H3K4 demethylase possessing demethylase activity-independent repression function. <i>Cell Research</i> , 2010 , 20, 276-87	24.7	54
91	JmjC enzyme KDM2A is a regulator of rRNA transcription in response to starvation. <i>EMBO Journal</i> , 2010 , 29, 1510-22	13	84
90	A role for the elongator complex in zygotic paternal genome demethylation. <i>Nature</i> , 2010 , 463, 554-8	50.4	236
89	Role of Tet proteins in 5mC to 5hmC conversion, ES-cell self-renewal and inner cell mass specification. <i>Nature</i> , 2010 , 466, 1129-33	50.4	1915
88	Active DNA demethylation: many roads lead to Rome. <i>Nature Reviews Molecular Cell Biology</i> , 2010 , 11, 607-20	48.7	840
87	Nickel ions inhibit histone demethylase JMJD1A and DNA repair enzyme ABH2 by replacing the ferrous iron in the catalytic centers. <i>Journal of Biological Chemistry</i> , 2010 , 285, 7374-83	5.4	113
86	Janus kinase 2: an epigenetic writer that activates leukemogenic genes. <i>Journal of Molecular Cell Biology</i> , 2010 , 2, 231-3	6.3	6
85	UBR2 mediates transcriptional silencing during spermatogenesis via histone ubiquitination. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 1912-7	11.5	61
84	Histone demethylase JHDM2A is involved in male infertility and obesity. <i>Journal of Andrology</i> , 2010 , 31, 75-8		63
83	Butyrate promotes induced pluripotent stem cell generation. <i>Journal of Biological Chemistry</i> , 2010 , 285, 25516-21	5.4	111
82	Dnmt3a-dependent nonpromoter DNA methylation facilitates transcription of neurogenic genes. <i>Science</i> , 2010 , 329, 444-8	33.3	480

81	Validation-based insertional mutagenesis identifies lysine demethylase FBXL11 as a negative regulator of NFkappaB. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 16339-44	11.5	68
80	Minireview: role of protein methylation and demethylation in nuclear hormone signaling. <i>Molecular Endocrinology</i> , 2009 , 23, 1323-34		38
79	Genome-wide uH2A localization analysis highlights Bmi1-dependent deposition of the mark at repressed genes. <i>PLoS Genetics</i> , 2009 , 5, e1000506	6	48
78	The H3K4 demethylase lid associates with and inhibits histone deacetylase Rpd3. <i>Molecular and Cellular Biology</i> , 2009 , 29, 1401-10	4.8	56
77	Role of Jhdm2a in regulating metabolic gene expression and obesity resistance. <i>Nature</i> , 2009 , 458, 757-61	50.4	353
76	Global reduction of the epigenetic H3K79 methylation mark and increased chromosomal instability in CALM-AF10-positive leukemias. <i>Blood</i> , 2009 , 114, 651-8	2.2	51
75	The H3K36 demethylase Jhdm1b/Kdm2b regulates cell proliferation and senescence through p15(Ink4b). <i>Nature Structural and Molecular Biology</i> , 2008 , 15, 1169-75	17.6	246
74	Generation of insulin-secreting islet-like clusters from human skin fibroblasts. <i>Journal of Biological Chemistry</i> , 2008 , 283, 31601-7	5.4	278
73	Inactivation of NuRD component Mta2 causes abnormal T cell activation and lupus-like autoimmune disease in mice. <i>Journal of Biological Chemistry</i> , 2008 , 283, 13825-33	5.4	43
72	The histone H3K79 methyltransferase Dot1L is essential for mammalian development and heterochromatin structure. <i>PLoS Genetics</i> , 2008 , 4, e1000190	6	262
71	Identification of motifs that are conserved in 12 Drosophila species and regulate midline glia vs. neuron expression. <i>Genetics</i> , 2008 , 178, 787-99	4	13
70	Role of hPHF1 in H3K27 methylation and Hox gene silencing. <i>Molecular and Cellular Biology</i> , 2008 , 28, 1862-72	4.8	139
69	A universal competitive fluorescence polarization activity assay for S-adenosylmethionine utilizing methyltransferases. <i>Analytical Biochemistry</i> , 2008 , 373, 296-306	3.1	42
68	Regulation of histone methylation by demethylination and demethylation. <i>Nature Reviews Molecular Cell Biology</i> , 2007 , 8, 307-18	48.7	657
67	Yeast Jhd2p is a histone H3 Lys4 trimethyl demethylase. <i>Nature Structural and Molecular Biology</i> , 2007 , 14, 243-5	17.6	90
66	The trithorax-group protein Lid is a histone H3 trimethyl-Lys4 demethylase. <i>Nature Structural and Molecular Biology</i> , 2007 , 14, 341-3	17.6	91
65	Histone demethylase JHDM2A is critical for Tnp1 and Prm1 transcription and spermatogenesis. <i>Nature</i> , 2007 , 450, 119-23	50.4	312
64	Mechanisms of epigenetic inheritance. <i>Current Opinion in Cell Biology</i> , 2007 , 19, 266-72	9	164

63	Demethylation of histone H3K36 and H3K9 by Rph1: a vestige of an H3K9 methylation system in <i>Saccharomyces cerevisiae</i> ?. <i>Molecular and Cellular Biology</i> , 2007 , 27, 3951-61	4.8	69
62	pRB family proteins are required for H3K27 trimethylation and Polycomb repression complexes binding to and silencing p16INK4alpha tumor suppressor gene. <i>Genes and Development</i> , 2007 , 21, 49-54	12.6	250
61	The <i>Saccharomyces cerevisiae</i> histone demethylase Jhd1 fine-tunes the distribution of H3K36me2. <i>Molecular and Cellular Biology</i> , 2007 , 27, 5055-65	4.8	25
60	The retinoblastoma binding protein RBP2 is an H3K4 demethylase. <i>Cell</i> , 2007 , 128, 889-900	56.2	343
59	New nomenclature for chromatin-modifying enzymes. <i>Cell</i> , 2007 , 131, 633-6	56.2	745
58	PLU-1 is an H3K4 demethylase involved in transcriptional repression and breast cancer cell proliferation. <i>Molecular Cell</i> , 2007 , 25, 801-12	17.6	387
57	A modular network model of aging. <i>Molecular Systems Biology</i> , 2007 , 3, 147	12.2	134
56	Crystal structure of human histone lysine-specific demethylase 1 (LSD1). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 13956-61	11.5	193
55	Structure of a Bmi-1-Ring1B polycomb group ubiquitin ligase complex. <i>Journal of Biological Chemistry</i> , 2006 , 281, 20643-9	5.4	173
54	MES-4: an autosome-associated histone methyltransferase that participates in silencing the X chromosomes in the <i>C. elegans</i> germ line. <i>Development (Cambridge)</i> , 2006 , 133, 3907-17	6.6	97
53	Substrate preferences of the EZH2 histone methyltransferase complex. <i>Journal of Biological Chemistry</i> , 2006 , 281, 8365-70	5.4	82
52	Recognition of histone H3 lysine-4 methylation by the double tudor domain of JMJD2A. <i>Science</i> , 2006 , 312, 748-51	33.3	364
51	JHDM2A, a JmjC-containing H3K9 demethylase, facilitates transcription activation by androgen receptor. <i>Cell</i> , 2006 , 125, 483-95	56.2	659
50	Histone H3 and H4 ubiquitylation by the CUL4-DDB-ROC1 ubiquitin ligase facilitates cellular response to DNA damage. <i>Molecular Cell</i> , 2006 , 22, 383-94	17.6	400
49	Purification of histone demethylases from HeLa cells. <i>Methods</i> , 2006 , 40, 318-26	4.6	29
48	G9a-mediated irreversible epigenetic inactivation of Oct-3/4 during early embryogenesis. <i>Nature Cell Biology</i> , 2006 , 8, 188-94	23.4	527
47	Leukaemic transformation by CALM-AF10 involves upregulation of Hoxa5 by hDOT1L. <i>Nature Cell Biology</i> , 2006 , 8, 1017-24	23.4	153
46	JmjC-domain-containing proteins and histone demethylation. <i>Nature Reviews Genetics</i> , 2006 , 7, 715-27	30.1	940

45	Histone demethylation by a family of JmjC domain-containing proteins. <i>Nature</i> , 2006 , 439, 811-6	50.4	1553
44	The transcriptional repressor JHDM3A demethylates trimethyl histone H3 lysine 9 and lysine 36. <i>Nature</i> , 2006 , 442, 312-6	50.4	513
43	Tudor, MBT and chromo domains gauge the degree of lysine methylation. <i>EMBO Reports</i> , 2006 , 7, 397-403	18.5	394
42	Role of Bmi-1 and Ring1A in H2A ubiquitylation and Hox gene silencing. <i>Molecular Cell</i> , 2005 , 20, 845-54	17.6	679
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2	A novel antiviral lncRNA EDAL shields a T309 O-GlcNAcylation site to promote EZH2 degradation		1
1	Tn5 transposase-based epigenomic profiling methods are prone to open chromatin bias		2