Danny Reinberg

List of Publications by Year in Descending Order

279 papers	55,403 citations	131 h-index	234 g-index
301 ext. papers	61,032 ext. citations	19.3 avg, IF	7.74 L-index

#	Paper	IF	Citations
279	CRISPR and biochemical screens identify MAZ as a cofactor in CTCF-mediated insulation at Hox clusters.. *Nature Genetics*, **2022**, 54, 202-212	36.3	2
278	Inheritance of repressed chromatin domains during S phase requires the histone chaperone NPM1.. *Science Advances*, **2022**, 8, eabm3945	14.3	0
277	NRF1 association with AUTS2-Polycomb mediates specific gene activation in the brain. *Molecular Cell*, **2021**, 81, 4663-4676.e8	17.6	4
276	Reversible plasticity in brain size, behaviour and physiology characterizes caste transitions in a socially flexible ant (). *Proceedings of the Royal Society B: Biological Sciences*, **2021**, 288, 20210141	4.4	14
275	The H3K36me2 writer-reader dependency in H3K27M-DIPG. *Science Advances*, **2021**, 7,	14.3	6
274	Parental nucleosome segregation and the inheritance of cellular identity. *Nature Reviews Genetics*, **2021**, 22, 379-392	30.1	14
273	Structures of monomeric and dimeric PRC2:EZH1 reveal flexible modules involved in chromatin compaction. *Nature Communications*, **2021**, 12, 714	17.4	8
272	Early behavioral and molecular events leading to caste switching in the ant. *Genes and Development* , **2021**, 35, 410-424	12.6	9
271	A molecular toolkit for superorganisms. *Trends in Genetics*, **2021**, 37, 846-859	8.5	2
270	The missing link: emerging trends for H1 variant-specific functions. *Genes and Development*, **2021**, 35, 40-58	12.6	11
269	Evolution, developmental expression and function of odorant receptors in insects. *Journal of Experimental Biology*, **2020**, 223,	3	37
268	Automethylation of PRC2 promotes H3K27 methylation and is impaired in H3K27M pediatric glioma. *Genes and Development*, **2019**, 33, 1428-1440	12.6	46
267	Distinct Classes of Chromatin Loops Revealed by Deletion of an RNA-Binding Region in CTCF. *Molecular Cell*, **2019**, 76, 395-411.e13	17.6	97
266	RNA Interactions Are Essential for CTCF-Mediated Genome Organization. *Molecular Cell*, **2019**, 76, 412-422.e5	17.6	92
265	LEDGF and HDGF2 relieve the nucleosome-induced barrier to transcription in differentiated cells. *Science Advances*, **2019**, 5, eaay3068	14.3	32
264	PRC2 is high maintenance. *Genes and Development*, **2019**, 33, 903-935	12.6	93
263	Active and Repressed Chromatin Domains Exhibit Distinct Nucleosome Segregation during DNA Replication. *Cell*, **2019**, 179, 953-963.e11	56.2	63

262	Distinct Stimulatory Mechanisms Regulate the Catalytic Activity of Polycomb Repressive Complex 2. *Molecular Cell*, **2018**, 70, 435-448.e5	17.6	48
261	Allosteric Activation Dictates PRC2 Activity Independent of Its Recruitment to Chromatin. *Molecular Cell*, **2018**, 70, 422-434.e6	17.6	67
260	Functions of FACT in Breaking the Nucleosome and Maintaining Its Integrity at the Single-Nucleosome Level. *Molecular Cell*, **2018**, 71, 284-293.e4	17.6	50
259	Capturing the Onset of PRC2-Mediated Repressive Domain Formation. *Molecular Cell*, **2018**, 70, 1149-1162.e5	17.6	117
258	Multiple modes of PRC2 inhibition elicit global chromatin alterations in H3K27M pediatric glioma. *Science Advances*, **2018**, 4, eaau5935	14.3	76
257	Antennal Olfactory Physiology and Behavior of Males of the Ponerine Ant Harpegnathos saltator. *Journal of Chemical Ecology*, **2018**, 44, 999-1007	2.7	6
256	Recent Advances in Behavioral (Epi)Genetics in Eusocial Insects. *Annual Review of Genetics*, **2018**, 52, 489-510	14.5	27
255	Chromatin domains rich in inheritance. *Science*, **2018**, 361, 33-34	33.3	72
254	RNA Binding to CBP Stimulates Histone Acetylation and Transcription. *Cell*, **2017**, 168, 135-149.e22	56.2	198
253	Chemosensory sensitivity reflects reproductive status in the ant Harpegnathos saltator. *Scientific Reports*, **2017**, 7, 3732	4.9	21
252	Low-Grade Astrocytoma Mutations in IDH1, P53, and ATRX Cooperate to Block Differentiation of Human Neural Stem Cells via Repression of SOX2. *Cell Reports*, **2017**, 21, 1267-1280	10.6	64
251	Specialized odorant receptors in social insects that detect cuticular hydrocarbon cues and candidate pheromones. *Nature Communications*, **2017**, 8, 297	17.4	59
250	PR-Set7 deficiency limits uterine epithelial population growth hampering postnatal gland formation in mice. *Cell Death and Differentiation*, **2017**, 24, 2013-2021	12.7	5
249	Phospho-H1 Decorates the Inter-chromatid Axis and Is Evicted along with Shugoshin by SET during Mitosis. *Molecular Cell*, **2017**, 67, 579-593.e6	17.6	16
248	An Engineered orco Mutation Produces Aberrant Social Behavior and Defective Neural Development in Ants. *Cell*, **2017**, 170, 736-747.e9	56.2	126
247	The Neuropeptide Corazonin Controls Social Behavior and Caste Identity in Ants. *Cell*, **2017**, 170, 748-759.e12	56.2	94
246	Functional characterization of odorant receptors in the ponerine ant,. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, 8586-8591	11.5	50
245	The chromatin remodeling factor CHD7 controls cerebellar development by regulating reelin expression. *Journal of Clinical Investigation*, **2017**, 127, 874-887	15.9	40

244	MED12 Regulates HSC-Specific Enhancers Independently of Mediator Kinase Activity to Control Hematopoiesis. *Cell Stem Cell*, **2016**, 19, 784-799	18	60
243	Structural basis of oncogenic histone H3K27M inhibition of human polycomb repressive complex 2. *Nature Communications*, **2016**, 7, 11316	17.4	245
242	Chromatin Starts to Come Clean. *Molecular Cell*, **2016**, 64, 439-441	17.6	2
241	Co-repressor CBFA2T2 regulates pluripotency and germline development. *Nature*, **2016**, 534, 387-90	50.4	46
240	Epigenetic (re)programming of caste-specific behavior in the ant Camponotus floridanus. *Science*, **2016**, 351, aac6633	33.3	131
239	CTCF-mediated topological boundaries during development foster appropriate gene regulation. *Genes and Development*, **2016**, 30, 2657-2662	12.6	107
238	ISL1 and JMJD3 synergistically control cardiac differentiation of embryonic stem cells. *Nucleic Acids Research*, **2016**, 44, 6741-55	20.1	28
237	USP7 cooperates with SCML2 to regulate the activity of PRC1. *Molecular and Cellular Biology*, **2015**, 35, 1157-68	4.8	39
236	CTCF establishes discrete functional chromatin domains at the Hox clusters during differentiation. *Science*, **2015**, 347, 1017-21	33.3	375
235	Spontaneous development of hepatocellular carcinoma with cancer stem cell properties in PR-SET7-deficient livers. *EMBO Journal*, **2015**, 34, 430-47	13	30
234	Analysis of the Histone H3.1 Interactome: A Suitable Chaperone for the Right Event. *Molecular Cell*, **2015**, 60, 697-709	17.6	45
233	Cuticular Hydrocarbon Pheromones for Social Behavior and Their Coding in the Ant Antenna. *Cell Reports*, **2015**, 12, 1261-71	10.6	80
232	DNA methylation in social insects: how epigenetics can control behavior and longevity. *Annual Review of Entomology*, **2015**, 60, 435-52	21.8	121
231	CTCF regulates the human p53 gene through direct interaction with its natural antisense transcript, Wrap53. *Genes and Development*, **2014**, 28, 723-34	12.6	131
230	Selective methylation of histone H3 variant H3.1 regulates heterochromatin replication. *Science*, **2014**, 343, 1249-53	33.3	119
229	Interactions between JARID2 and noncoding RNAs regulate PRC2 recruitment to chromatin. *Molecular Cell*, **2014**, 53, 290-300	17.6	273
228	Jarid2 Is Implicated in the Initial Xist-Induced Targeting of PRC2 to the Inactive X Chromosome. *Molecular Cell*, **2014**, 53, 301-16	17.6	191
227	BRD4 assists elongation of both coding and enhancer RNAs by interacting with acetylated histones. *Nature Structural and Molecular Biology*, **2014**, 21, 1047-57	17.6	185

226	Nascent RNA interaction keeps PRC2 activity poised and in check. *Genes and Development*, **2014**, 28, 1983-88	12.6	133
225	Eusocial insects as emerging models for behavioural epigenetics. *Nature Reviews Genetics*, **2014**, 15, 677-88	36.1	133
224	Epigenetic inheritance: histone bookmarks across generations. *Trends in Cell Biology*, **2014**, 24, 664-74	18.3	107
223	Chromatin features and the epigenetic regulation of pluripotency states in ESCs. *Development (Cambridge)*, **2014**, 141, 2376-90	6.6	67
222	An AUTS2-Polycomb complex activates gene expression in the CNS. *Nature*, **2014**, 516, 349-54	50.4	181
221	Erk1/2 activity promotes chromatin features and RNAPII phosphorylation at developmental promoters in mouse ESCs. *Cell*, **2014**, 156, 678-90	56.2	106
220	Interactions with RNA direct the Polycomb group protein SCML2 to chromatin where it represses target genes. *ELife*, **2014**, 3, e02637	8.9	37
219	PRC2 binds active promoters and contacts nascent RNAs in embryonic stem cells. *Nature Structural and Molecular Biology*, **2013**, 20, 1258-64	17.6	221
218	Nucleosome-binding activities within JARID2 and EZH1 regulate the function of PRC2 on chromatin. *Genes and Development*, **2013**, 27, 2663-77	12.6	121
217	Social insect genomes exhibit dramatic evolution in gene composition and regulation while preserving regulatory features linked to sociality. *Genome Research*, **2013**, 23, 1235-47	9.7	166
216	Putting a halt on PRC2 in pediatric glioblastoma. *Nature Genetics*, **2013**, 45, 587-9	36.3	6
215	SFMBT1 functions with LSD1 to regulate expression of canonical histone genes and chromatin-related factors. *Genes and Development*, **2013**, 27, 749-66	12.6	53
214	A chromatin link to caste identity in the carpenter ant Camponotus floridanus. *Genome Research*, **2013**, 23, 486-96	9.7	104
213	Polycomb protein SCML2 regulates the cell cycle by binding and modulating CDK/CYCLIN/p21 complexes. *PLoS Biology*, **2013**, 11, e1001737	9.7	22
212	A double take on bivalent promoters. *Genes and Development*, **2013**, 27, 1318-38	12.6	543
211	Histone chaperone FACT action during transcription through chromatin by RNA polymerase II. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 7654-9	11.5	138
210	Deregulated FGF and homeotic gene expression underlies cerebellar vermis hypoplasia in CHARGE syndrome. *ELife*, **2013**, 2, e01305	8.9	49
209	The role of PR-Set7 in replication licensing depends on Suv4-20h. *Genes and Development*, **2012**, 26, 2580-92	12.6	85

208	Trans-tail regulation of MLL4-catalyzed H3K4 methylation by H4R3 symmetric dimethylation is mediated by a tandem PHD of MLL4. *Genes and Development*, **2012**, 26, 2749-62	12.6	124
207	PR-Set7 and H4K20me1: at the crossroads of genome integrity, cell cycle, chromosome condensation, and transcription. *Genes and Development*, **2012**, 26, 325-37	12.6	212
206	SIRT3 functions in the nucleus in the control of stress-related gene expression. *Molecular and Cellular Biology*, **2012**, 32, 5022-34	4.8	131
205	Prdm3 and Prdm16 are H3K9me1 methyltransferases required for mammalian heterochromatin integrity. *Cell*, **2012**, 150, 948-60	56.2	207
204	Asymmetrically modified nucleosomes. *Cell*, **2012**, 151, 181-93	56.2	306
203	PCGF homologs, CBX proteins, and RYBP define functionally distinct PRC1 family complexes. *Molecular Cell*, **2012**, 45, 344-56	17.6	583
202	Genome-wide and caste-specific DNA methylomes of the ants Camponotus floridanus and Harpegnathos saltator. *Current Biology*, **2012**, 22, 1755-64	6.3	266
201	Crystal structure of TDRD3 and methyl-arginine binding characterization of TDRD3, SMN and SPF30. *PLoS ONE*, **2012**, 7, e30375	3.7	62
200	Phylogenetic and transcriptomic analysis of chemosensory receptors in a pair of divergent ant species reveals sex-specific signatures of odor coding. *PLoS Genetics*, **2012**, 8, e1002930	6	150
199	EZH2 couples pancreatic regeneration to neoplastic progression. *Genes and Development*, **2012**, 26, 439-44	12.6	84
198	Fcp1 dephosphorylation of the RNA polymerase II C-terminal domain is required for efficient transcription of heat shock genes. *Molecular and Cellular Biology*, **2012**, 32, 3428-37	4.8	24
197	Chromatin higher-order structures and gene regulation. *Current Opinion in Genetics and Development*, **2011**, 21, 175-86	4.9	313
196	L3MBTL2 protein acts in concert with PcG protein-mediated monoubiquitination of H2A to establish a repressive chromatin structure. *Molecular Cell*, **2011**, 42, 438-50	17.6	109
195	The C-terminal domain of RNA polymerase II is modified by site-specific methylation. *Science*, **2011**, 332, 99-103	33.3	161
194	The Polycomb complex PRC2 and its mark in life. *Nature*, **2011**, 469, 343-9	50.4	2172
193	Histone tails: ideal motifs for probing epigenetics through chemical biology approaches. *ChemBioChem*, **2011**, 12, 236-52	3.8	29
192	BRD4 jump-starts transcription after mitotic silencing. *Genome Biology*, **2011**, 12, 133	18.3	8
191	Epigenetic inheritance: uncontested?. *Cell Research*, **2011**, 21, 435-41	24.7	80

190	A dual flip-out mechanism for 5mC recognition by the Arabidopsis SUVH5 SRA domain and its impact on DNA methylation and H3K9 dimethylation in vivo. *Genes and Development*, **2011**, 25, 137-52	12.6	83
189	The structure of NSD1 reveals an autoregulatory mechanism underlying histone H3K36 methylation. *Journal of Biological Chemistry*, **2011**, 286, 8361-8368	5.4	123
188	The program for processing newly synthesized histones H3.1 and H4. *Nature Structural and Molecular Biology*, **2010**, 17, 1343-51	17.6	169
187	Chromatin structure and the inheritance of epigenetic information. *Nature Reviews Genetics*, **2010**, 11, 285-96	30.1	535
186	New chaps in the histone chaperone arena. *Genes and Development*, **2010**, 24, 1334-8	12.6	32
185	Jarid2 and PRC2, partners in regulating gene expression. *Genes and Development*, **2010**, 24, 368-80	12.6	384
184	Phosphorylation of the PRC2 component Ezh2 is cell cycle-regulated and up-regulates its binding to ncRNA. *Genes and Development*, **2010**, 24, 2615-20	12.6	296
183	Genomic comparison of the ants Camponotus floridanus and Harpegnathos saltator. *Science*, **2010**, 329, 1068-71	33.3	353
182	G9a and Glp methylate lysine 373 in the tumor suppressor p53. *Journal of Biological Chemistry*, **2010**, 285, 9636-9641	5.4	284
181	Molecular signals of epigenetic states. *Science*, **2010**, 330, 612-6	33.3	670
180	Highly compacted chromatin formed in vitro reflects the dynamics of transcription activation in vivo. *Molecular Cell*, **2010**, 38, 41-53	17.6	73
179	Regulation of the histone H4 monomethylase PR-Set7 by CRL4(Cdt2)-mediated PCNA-dependent degradation during DNA damage. *Molecular Cell*, **2010**, 40, 364-76	17.6	187
178	MBT domain proteins in development and disease. *Seminars in Cell and Developmental Biology*, **2010**, 21, 221-30	7.5	110
177	Monomethylation of histone H4-lysine 20 is involved in chromosome structure and stability and is essential for mouse development. *Molecular and Cellular Biology*, **2009**, 29, 2278-95	4.8	234
176	Heterogeneous nuclear ribonucleoprotein L Is a subunit of human KMT3a/Set2 complex required for H3 Lys-36 trimethylation activity in vivo. *Journal of Biological Chemistry*, **2009**, 284, 15701-7	5.4	76
175	Dynamic Histone H1 Isotype 4 Methylation and Demethylation by Histone Lysine Methyltransferase G9a/KMT1C and the Jumonji Domain-containing JMJD2/KDM4 Proteins. *Journal of Biological Chemistry*, **2009**, 284, 8395-405	5.4	146
174	Calorie restriction and the exercise of chromatin. *Genes and Development*, **2009**, 23, 1849-69	12.6	118
173	The target of the NSD family of histone lysine methyltransferases depends on the nature of the substrate. *Journal of Biological Chemistry*, **2009**, 284, 34283-95	5.4	209

172	Role of the polycomb protein EED in the propagation of repressive histone marks. *Nature*, **2009**, 461, 762-7	50.4	849
171	Histones: annotating chromatin. *Annual Review of Genetics*, **2009**, 43, 559-99	14.5	647
170	Is there a code embedded in proteins that is based on post-translational modifications?. *Nature Reviews Molecular Cell Biology*, **2008**, 9, 815-20	48.7	247
169	Ezh1 and Ezh2 maintain repressive chromatin through different mechanisms. *Molecular Cell*, **2008**, 32, 503-18	17.6	602
168	Ezh2 requires PHF1 to efficiently catalyze H3 lysine 27 trimethylation in vivo. *Molecular and Cellular Biology*, **2008**, 28, 2718-31	4.8	231
167	Nonradioactive, ultrasensitive site-specific protein-protein photocrosslinking: interactions of alpha-helix 2 of TATA-binding protein with general transcription factor TFIIA and transcriptional repressor NC2. *Nucleic Acids Research*, **2008**, 36, 6143-54	20.1	4
166	Beyond histone methyl-lysine binding: how malignant brain tumor (MBT) protein L3MBTL1 impacts chromatin structure. *Cell Cycle*, **2008**, 7, 578-85	4.7	27
165	NAD+-dependent deacetylation of H4 lysine 16 by class III HDACs. *Oncogene*, **2007**, 26, 5505-20	9.2	230
164	SIRT1 regulates the histone methyl-transferase SUV39H1 during heterochromatin formation. *Nature*, **2007**, 450, 440-4	50.4	336
163	Methylation-acetylation interplay activates p53 in response to DNA damage. *Molecular and Cellular Biology*, **2007**, 27, 6756-69	4.8	138
162	SirT3 is a nuclear NAD+-dependent histone deacetylase that translocates to the mitochondria upon cellular stress. *Genes and Development*, **2007**, 21, 920-8	12.6	332
161	L3MBTL1, a histone-methylation-dependent chromatin lock. *Cell*, **2007**, 129, 915-28	56.2	279
160	New nomenclature for chromatin-modifying enzymes. *Cell*, **2007**, 131, 633-6	56.2	745
159	Facultative heterochromatin: is there a distinctive molecular signature?. *Molecular Cell*, **2007**, 28, 1-13	17.6	356
158	Recognition of trimethylated histone H3 lysine 4 facilitates the recruitment of transcription postinitiation factors and pre-mRNA splicing. *Molecular Cell*, **2007**, 28, 665-76	17.6	426
157	Demethylation of H3K27 regulates polycomb recruitment and H2A ubiquitination. *Science*, **2007**, 318, 447-50	33.3	591
156	Histone H3 Lys 4 methylation: caught in a bind?. *Genes and Development*, **2006**, 20, 2779-86	12.6	189
155	de FACTo nucleosome dynamics. *Journal of Biological Chemistry*, **2006**, 281, 23297-301	5.4	182

154	Drosophila Paf1 modulates chromatin structure at actively transcribed genes. *Molecular and Cellular Biology*, **2006**, 26, 250-60	4.8	98
153	Suz12 binds to silenced regions of the genome in a cell-type-specific manner. *Genome Research*, **2006**, 16, 890-900	9.7	251
152	SirT2 is a histone deacetylase with preference for histone H4 Lys 16 during mitosis. *Genes and Development*, **2006**, 20, 1256-61	12.6	466
151	Histone lysine demethylases and their impact on epigenetics. *Cell*, **2006**, 125, 213-7	56.2	175
150	Histone H2B monoubiquitination functions cooperatively with FACT to regulate elongation by RNA polymerase II. *Cell*, **2006**, 125, 703-17	56.2	545
149	Methods to identify and functionally analyze factors that specifically recognize histone lysine methylation. *Methods*, **2006**, 40, 331-8	4.6	8
148	Biochemistry of Multiprotein HDAC Complexes **2006**, 23-60		6
147	PARP-1 determines specificity in a retinoid signaling pathway via direct modulation of mediator. *Molecular Cell*, **2005**, 18, 83-96	17.6	193
146	Functional characterization of core promoter elements: DPE-specific transcription requires the protein kinase CK2 and the PC4 coactivator. *Molecular Cell*, **2005**, 18, 471-81	17.6	54
145	Monoubiquitination of human histone H2B: the factors involved and their roles in HOX gene regulation. *Molecular Cell*, **2005**, 20, 601-11	17.6	367
144	The key to development: interpreting the histone code?. *Current Opinion in Genetics and Development*, **2005**, 15, 163-76	4.9	605
143	Polycomb group protein ezh2 controls actin polymerization and cell signaling. *Cell*, **2005**, 121, 425-36	56.2	293
142	The human PAF complex coordinates transcription with events downstream of RNA synthesis. *Genes and Development*, **2005**, 19, 1668-73	12.6	165
141	Histone variants meet their match. *Nature Reviews Molecular Cell Biology*, **2005**, 6, 139-49	48.7	238
140	PR-Set7-dependent methylation of histone H4 Lys 20 functions in repression of gene expression and is essential for mitosis. *Genes and Development*, **2005**, 19, 431-5	12.6	137
139	Specificity and mechanism of the histone methyltransferase Pr-Set7. *Genes and Development*, **2005**, 19, 1444-54	12.6	144
138	Human but not yeast CHD1 binds directly and selectively to histone H3 methylated at lysine 4 via its tandem chromodomains. *Journal of Biological Chemistry*, **2005**, 280, 41789-92	5.4	284
137	Functional characterization of core promoter elements: the downstream core element is recognized by TAF1. *Molecular and Cellular Biology*, **2005**, 25, 9674-86	4.8	84

136	Composition and histone substrates of polycomb repressive group complexes change during cellular differentiation. *Proceedings of the National Academy of Sciences of the United States of America*, **2005**, 102, 1859-64	11.5	344
135	Silencing of human polycomb target genes is associated with methylation of histone H3 Lys 27. *Genes and Development*, **2004**, 18, 1592-605	12.6	396
134	Differential histone H3 Lys-9 and Lys-27 methylation profiles on the X chromosome. *Molecular and Cellular Biology*, **2004**, 24, 5475-84	4.8	176
133	Human Spt6 stimulates transcription elongation by RNA polymerase II in vitro. *Molecular and Cellular Biology*, **2004**, 24, 3324-36	4.8	89
132	Functional interactions of RNA-capping enzyme with factors that positively and negatively regulate promoter escape by RNA polymerase II. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 7572-7	11.5	130
131	Elongation by RNA polymerase II: the short and long of it. *Genes and Development*, **2004**, 18, 2437-68	12.6	547
130	Regulation of p53 activity through lysine methylation. *Nature*, **2004**, 432, 353-60	50.4	620
129	Transcription through chromatin: understanding a complex FACT. *Biochimica Et Biophysica Acta Gene Regulatory Mechanisms*, **2004**, 1677, 87-99		60
128	Recent highlights of RNA-polymerase-II-mediated transcription. *Current Opinion in Cell Biology*, **2004**, 16, 263-71	9	148
127	Steps toward understanding the inheritance of repressive methyl-lysine marks in histones. *Cold Spring Harbor Symposia on Quantitative Biology*, **2004**, 69, 171-82	3.9	13
126	Tips in analyzing antibodies directed against specific histone tail modifications. *Methods in Enzymology*, **2004**, 376, 255-69	1.7	20
125	Techniques used to study transcription on chromatin templates. *Methods in Enzymology*, **2004**, 377, 474-99	1.7	10
124	Facts about FACT and transcript elongation through chromatin. *Current Opinion in Genetics and Development*, **2004**, 14, 139-46	4.9	100
123	A unified nomenclature for protein subunits of mediator complexes linking transcriptional regulators to RNA polymerase II. *Molecular Cell*, **2004**, 14, 553-7	17.6	209
122	Human SirT1 interacts with histone H1 and promotes formation of facultative heterochromatin. *Molecular Cell*, **2004**, 16, 93-105	17.6	696
121	Different EZH2-containing complexes target methylation of histone H1 or nucleosomal histone H3. *Molecular Cell*, **2004**, 14, 183-93	17.6	374
120	Epigenetic dynamics of imprinted X inactivation during early mouse development. *Science*, **2004**, 303, 644-9	33.3	638
119	A silencing pathway to induce H3-K9 and H4-K20 trimethylation at constitutive heterochromatin. *Genes and Development*, **2004**, 18, 1251-62	12.6	812

118	Functional analysis of the subunits of the chromatin assembly factor RSF. *Molecular and Cellular Biology*, **2003**, 23, 6759-68	4.8	89
117	The C-terminal domain phosphatase and transcription elongation activities of FCP1 are regulated by phosphorylation. *Proceedings of the National Academy of Sciences of the United States of America*, **2003**, 100, 2328-33	11.5	26
116	Histone lysine methylation: a signature for chromatin function. *Trends in Genetics*, **2003**, 19, 629-39	8.5	538
115	FACT facilitates transcription-dependent nucleosome alteration. *Science*, **2003**, 301, 1090-3	33.3	660
114	Tracking FACT and the RNA polymerase II elongation complex through chromatin in vivo. *Science*, **2003**, 301, 1094-6	33.3	233
113	Tails of intrigue: phosphorylation of RNA polymerase II mediates histone methylation. *Cell*, **2003**, 113, 429-32	56.2	257
112	Methods and tips for the purification of human histone methyltransferases. *Methods*, **2003**, 31, 49-58	4.6	51
111	Histone deposition and chromatin assembly by RSF. *Methods*, **2003**, 31, 96-103	4.6	17
110	ASAP, a novel protein complex involved in RNA processing and apoptosis. *Molecular and Cellular Biology*, **2003**, 23, 2981-90	4.8	99
109	Facile synthesis of site-specifically acetylated and methylated histone proteins: reagents for evaluation of the histone code hypothesis. *Proceedings of the National Academy of Sciences of the United States of America*, **2003**, 100, 12033-8	11.5	104
108	The mediator coactivator complex: functional and physical roles in transcriptional regulation. *Journal of Cell Science*, **2003**, 116, 3667-75	5.3	112
107	The constantly changing face of chromatin. *Science of Aging Knowledge Environment: SAGE KE*, **2003**, 2003, RE4		126
106	Human Elongator facilitates RNA polymerase II transcription through chromatin. *Proceedings of the National Academy of Sciences of the United States of America*, **2002**, 99, 1241-6	11.5	130
105	FCP1, a phosphatase specific for the heptapeptide repeat of the largest subunit of RNA polymerase II, stimulates transcription elongation. *Molecular and Cellular Biology*, **2002**, 22, 7543-52	4.8	56
104	Role of the Sin3-histone deacetylase complex in growth regulation by the candidate tumor suppressor p33(ING1). *Molecular and Cellular Biology*, **2002**, 22, 835-48	4.8	193
103	Histone methyltransferase activity associated with a human multiprotein complex containing the Enhancer of Zeste protein. *Genes and Development*, **2002**, 16, 2893-905	12.6	1223
102	Set9, a novel histone H3 methyltransferase that facilitates transcription by precluding histone tail modifications required for heterochromatin formation. *Genes and Development*, **2002**, 16, 479-89	12.6	426
101	Mitotic-specific methylation of histone H4 Lys 20 follows increased PR-Set7 expression and its localization to mitotic chromosomes. *Genes and Development*, **2002**, 16, 2225-30	12.6	186

100	Inhibition of excess nodal signaling during mouse gastrulation by the transcriptional corepressor DRAP1. *Science*, **2002**, 298, 1996-9	33.3	69
99	A unified theory of gene expression. *Cell*, **2002**, 108, 439-51	56.2	705
98	PR-Set7 is a nucleosome-specific methyltransferase that modifies lysine 20 of histone H4 and is associated with silent chromatin. *Molecular Cell*, **2002**, 9, 1201-13	17.6	462
97	Interaction of FACT, SSRP1, and the high mobility group (HMG) domain of SSRP1 with DNA damaged by the anticancer drug cisplatin. *Journal of Biological Chemistry*, **2001**, 276, 25736-41	5.4	74
96	RBP1 recruits the mSIN3-histone deacetylase complex to the pocket of retinoblastoma tumor suppressor family proteins found in limited discrete regions of the nucleus at growth arrest. *Molecular and Cellular Biology*, **2001**, 21, 2918-32	4.8	162
95	Transcription. Switching partners in a regulatory tango. *Science*, **2001**, 294, 2497-8	33.3	8
94	Defective interplay of activators and repressors with TFIH in xeroderma pigmentosum. *Cell*, **2001**, 104, 353-63	56.2	106
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8	ChIPSeqSpike: A R/Bioconductor package for ChIP-Seq data scaling according to spike-in control		1
7	Capturing the onset of PRC2-mediated repressive domain formation		2
6	Automethylation of PRC2 fine-tunes its catalytic activity on chromatin		5
5	Active and repressed chromatin domains exhibit distinct nucleosome segregation during DNA replication		4
4	Multiple modes of PRC2 inhibition elicit global chromatin alterations in H3K27M pediatric glioma		2
3	RNA interactions with CTCF are essential for its proper function		7
2	Allosteric activation dictates PRC2 activity independent of its recruitment to chromatin		3
1	Distinct stimulatory mechanisms regulate the catalytic activity of Polycomb Repressive Complex 2 (PRC2)		1