Shelley L Berger

List of Publications by Year in Descending Order

218 papers	34,328 citations	92 h-index	184 g-index
230 ext. papers	39,591 ext. citations	17.2 avg, IF	7.36 L-index

#	Paper	IF	Citations
218	Enzymatic transfer of acetate on histones from lysine reservoir sites to lysine activating sites.. *Science Advances*, **2022**, 8, eabj5688	14.3	3
217	EBF1 nuclear repositioning instructs chromatin refolding to promote therapy resistance in T leukemic cells.. *Molecular Cell*, **2022**,	17.6	2
216	Hydroxybutyrate suppresses colorectal cancer.. *Nature*, **2022**,	50.4	5
215	Kr-h1 maintains distinct caste-specific neurotranscriptomes in response to socially regulated hormones. *Cell*, **2021**, 184, 5807-5823.e14	56.2	2
214	An NK-like CAR T cell transition in CAR T cell dysfunction. *Cell*, **2021**, 184, 6081-6100.e26	56.2	15
213	RNA modification to the rescue!. *Cell Host and Microbe*, **2021**, 29, 313-315	23.4	
212	In vivo CD8 T cell CRISPR screening reveals control by Fli1 in infection and cancer. *Cell*, **2021**, 184, 1262-1280.e22	56.2	21
211	p53 mediates target gene association with nuclear speckles for amplified RNA expression. *Molecular Cell*, **2021**, 81, 1666-1681.e6	17.6	12
210	SIRT1 - a new mammalian substrate of nuclear autophagy. *Autophagy*, **2021**, 17, 593-595	10.2	9
209	The biochemical and genetic discovery of the SAGA complex. *Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms*, **2021**, 1864, 194669	6	10
208	ZMYND8-regulated IRF8 transcription axis is an acute myeloid leukemia dependency. *Molecular Cell* , **2021**, 81, 3604-3622.e10	17.6	8
207	Tramtrack acts during late pupal development to direct ant caste identity. *PLoS Genetics*, **2021**, 17, e1009801	6	0
206	Food for thought. *Science*, **2020**, 370, 660-662	33.3	11
205	TEX15 associates with MILI and silences transposable elements in male germ cells. *Genes and Development*, **2020**, 34, 745-750	12.6	15
204	Genetics Meets Epigenetics in Treg Cells and Autoimmunity. *Immunity*, **2020**, 52, 897-899	32.3	2
203	Impaired Death Receptor Signaling in Leukemia Causes Antigen-Independent Resistance by Inducing CAR T-cell Dysfunction. *Cancer Discovery*, **2020**, 10, 552-567	24.4	79
202	Mitochondria-to-nucleus retrograde signaling drives formation of cytoplasmic chromatin and inflammation in senescence. *Genes and Development*, **2020**, 34, 428-445	12.6	83

201	Epigenetic Regulator CoREST Controls Social Behavior in Ants. *Molecular Cell*, **2020**, 77, 338-351.e6	17.6	13
200	Systematic genetic and proteomic screens during gametogenesis identify H2BK34 methylation as an evolutionary conserved meiotic mark. *Epigenetics and Chromatin*, **2020**, 13, 35	5.8	1
199	SIRT1 is downregulated by autophagy in senescence and ageing. *Nature Cell Biology*, **2020**, 22, 1170-1179	23.4	65
198	An integrated multi-omics approach identifies epigenetic alterations associated with Alzheimer's disease. *Nature Genetics*, **2020**, 52, 1024-1035	36.3	53
197	Social reprogramming in ants induces longevity-associated glia remodeling. *Science Advances*, **2020**, 6, eaba9869	14.3	14
196	p63 establishes epithelial enhancers at critical craniofacial development genes. *Science Advances*, **2019**, 5, eaaw0946	14.3	17
195	Comparison of genotoxic versus nongenotoxic stabilization of p53 provides insight into parallel stress-responsive transcriptional networks. *Cell Cycle*, **2019**, 18, 809-823	4.7	9
194	TOX transcriptionally and epigenetically programs CD8 T cell exhaustion. *Nature*, **2019**, 571, 211-218	50.4	459
193	TCF-1-Centered Transcriptional Network Drives an Effector versus Exhausted CD8 T Cell-Fate Decision. *Immunity*, **2019**, 51, 840-855.e5	32.3	196
192	Histone Acetyltransferase p300 Induces De Novo Super-Enhancers to Drive Cellular Senescence. *Molecular Cell*, **2019**, 73, 684-698.e8	17.6	55
191	Gcn5-Mediated Histone Acetylation Governs Nucleosome Dynamics in Spermiogenesis. *Developmental Cell*, **2019**, 51, 745-758.e6	10.2	15
190	Alcohol metabolism contributes to brain histone acetylation. *Nature*, **2019**, 574, 717-721	50.4	86
189	Histone modification signatures in human sperm distinguish clinical abnormalities. *Journal of Assisted Reproduction and Genetics*, **2019**, 36, 267-275	3.4	21
188	Dysregulation of the epigenetic landscape of normal aging in Alzheimer's disease. *Nature Neuroscience*, **2018**, 21, 497-505	25.5	126
187	Acetyl-CoA promotes glioblastoma cell adhesion and migration through Ca-NFAT signaling. *Genes and Development*, **2018**, 32, 497-511	12.6	63
186	Senescence Elicits Stemness: A Surprising Mechanism for Cancer Relapse. *Cell Metabolism*, **2018**, 27, 710-711	27.6	16
185	KMT2D regulates p63 target enhancers to coordinate epithelial homeostasis. *Genes and Development*, **2018**, 32, 181-193	12.6	47
184	Combinatorial genetics in liver repopulation and carcinogenesis with a in vivo CRISPR activation platform. *Hepatology*, **2018**, 68, 663-676	11.2	36

183	Epigenetic Regulation in Neurodegenerative Diseases. *Trends in Neurosciences*, **2018**, 41, 587-598	13.3	127
182	Regulation of chromatin and gene expression by metabolic enzymes and metabolites. *Nature Reviews Molecular Cell Biology*, **2018**, 19, 563-578	48.7	170
181	Antennal Olfactory Physiology and Behavior of Males of the Ponerine Ant Harpegnathos saltator. *Journal of Chemical Ecology*, **2018**, 44, 999-1007	2.7	6
180	Disruption of TET2 promotes the therapeutic efficacy of CD19-targeted T cells. *Nature*, **2018**, 558, 307-312	42.4	362
179	RNA Binding to CBP Stimulates Histone Acetylation and Transcription. *Cell*, **2017**, 168, 135-149.e22	56.2	198
178	Chemosensory sensitivity reflects reproductive status in the ant Harpegnathos saltator. *Scientific Reports*, **2017**, 7, 3732	4.9	21
177	Acetyl-CoA synthetase regulates histone acetylation and hippocampal memory. *Nature*, **2017**, 546, 381-386	38.4	204
176	The Sustained Impact of Model Organisms-in Genetics and Epigenetics. *Genetics*, **2017**, 205, 1-4	4	6
175	Cytoplasmic chromatin triggers inflammation in senescence and cancer. *Nature*, **2017**, 550, 402-406	50.4	505
174	eRNA binding produces tailored CBP activity profiles to regulate gene expression. *RNA Biology*, **2017**, 14, 1655-1659	4.8	19
173	Specialized odorant receptors in social insects that detect cuticular hydrocarbon cues and candidate pheromones. *Nature Communications*, **2017**, 8, 297	17.4	59
172	The interplay between epigenetic changes and the p53 protein in stem cells. *Genes and Development*, **2017**, 31, 1195-1201	12.6	29
171	An Engineered orco Mutation Produces Aberrant Social Behavior and Defective Neural Development in Ants. *Cell*, **2017**, 170, 736-747.e9	56.2	126
170	The Neuropeptide Corazonin Controls Social Behavior and Caste Identity in Ants. *Cell*, **2017**, 170, 748-759.e12	56.2	94
169	TDP-43 Promotes Neurodegeneration by Impairing Chromatin Remodeling. *Current Biology*, **2017**, 27, 3579-3590.e6	6.3	43
168	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
167	Metabolic Signaling to Chromatin. *Cold Spring Harbor Perspectives in Biology*, **2016**, 8,	10.2	85
166	Lysine methylation represses p53 activity in teratocarcinoma cancer cells. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 9822-7	11.5	27

165	Humanized H19/Igf2 locus reveals diverged imprinting mechanism between mouse and human and reflects Silver-Russell syndrome phenotypes. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 10938-43	11.5	21
164	A Chromatin-Focused siRNA Screen for Regulators of p53-Dependent Transcription. *G3: Genes, Genomes, Genetics*, **2016**, 6, 2671-8	3.2	4
163	Epigenetic stability of exhausted T cells limits durability of reinvigoration by PD-1 blockade. *Science* , **2016**, 354, 1160-1165	33.3	618
162	Comprehensive analysis of histone post-translational modifications in mouse and human male germ cells. *Epigenetics and Chromatin*, **2016**, 9, 24	5.8	67
161	Mammalian autophagy degrades nuclear constituents in response to tumorigenic stress. *Autophagy* , **2016**, 12, 1416-7	10.2	28
160	MLL1 is essential for the senescence-associated secretory phenotype. *Genes and Development*, **2016**, 30, 321-36	12.6	97
159	Epigenetic (re)programming of caste-specific behavior in the ant Camponotus floridanus. *Science*, **2016**, 351, aac6633	33.3	131
158	Changes in the Transcriptome of Human Astrocytes Accompanying Oxidative Stress-Induced Senescence. *Frontiers in Aging Neuroscience*, **2016**, 8, 208	5.3	43
157	Mapping H4K20me3 onto the chromatin landscape of senescent cells indicates a function in control of cell senescence and tumor suppression through preservation of genetic and epigenetic stability. *Genome Biology*, **2016**, 17, 158	18.3	40
156	A rare DNA contact mutation in cancer confers p53 gain-of-function and tumor cell survival via TNFAIP8 induction. *Molecular Oncology*, **2016**, 10, 1207-20	7.9	22
155	Exploring the Dynamic Relationship Between Cellular Metabolism and Chromatin Structure Using SILAC-Mass Spec and ChIP-Sequencing. *Methods in Enzymology*, **2016**, 574, 311-329	1.7	3
154	Epigenetic Mechanisms of Longevity and Aging. *Cell*, **2016**, 166, 822-839	56.2	425
153	H3K36 methylation promotes longevity by enhancing transcriptional fidelity. *Genes and Development*, **2015**, 29, 1362-76	12.6	138
152	CDKN2B Loss Promotes Progression from Benign Melanocytic Nevus to Melanoma. *Cancer Discovery*, **2015**, 5, 1072-85	24.4	56
151	Autophagy mediates degradation of nuclear lamina. *Nature*, **2015**, 527, 105-9	50.4	365
150	Cuticular Hydrocarbon Pheromones for Social Behavior and Their Coding in the Ant Antenna. *Cell Reports*, **2015**, 12, 1261-71	10.6	80
149	Mitotic Stress Is an Integral Part of the Oncogene-Induced Senescence Program that Promotes Multinucleation and Cell Cycle Arrest. *Cell Reports*, **2015**, 12, 1483-96	10.6	36
148	Chemoreceptor Evolution in Hymenoptera and Its Implications for the Evolution of Eusociality. *Genome Biology and Evolution*, **2015**, 7, 2407-16	3.9	92

147	Gain-of-function p53 mutants co-opt chromatin pathways to drive cancer growth. *Nature*, **2015**, 525, 206-11	50.4	294
146	Development of organometallic S6K1 inhibitors. *Journal of Medicinal Chemistry*, **2015**, 58, 305-14	8.3	14
145	TP53 engagement with the genome occurs in distinct local chromatin environments via pioneer factor activity. *Genome Research*, **2015**, 25, 179-88	9.7	69
144	DNA methylation in social insects: how epigenetics can control behavior and longevity. *Annual Review of Entomology*, **2015**, 60, 435-52	21.8	121
143	H4K44 Acetylation Facilitates Chromatin Accessibility during Meiosis. *Cell Reports*, **2015**, 13, 1772-80	10.6	17
142	Characterization of BRD4 during mammalian postmeiotic sperm development. *Molecular and Cellular Biology*, **2015**, 35, 1433-48	4.8	29
141	Epigenetics of aging and aging-related disease. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2014**, 69 Suppl 1, S17-20	6.4	158
140	Inactivation of yeast Isw2 chromatin remodeling enzyme mimics longevity effect of calorie restriction via induction of genotoxic stress response. *Cell Metabolism*, **2014**, 19, 952-66	24.6	59
139	Geroscience: linking aging to chronic disease. *Cell*, **2014**, 159, 709-13	56.2	1068
138	Eusocial insects as emerging models for behavioural epigenetics. *Nature Reviews Genetics*, **2014**, 15, 677-88	36.1	133
137	The SAGA histone deubiquitinase module controls yeast replicative lifespan via Sir2 interaction. *Cell Reports*, **2014**, 8, 477-86	10.6	52
136	Histone methylation has dynamics distinct from those of histone acetylation in cell cycle reentry from quiescence. *Molecular and Cellular Biology*, **2014**, 34, 3968-80	4.8	34
135	Stable-isotope-labeled histone peptide library for histone post-translational modification and variant quantification by mass spectrometry. *Molecular and Cellular Proteomics*, **2014**, 13, 2450-66	7.6	48
134	Genome-wide epigenetics. *Journal of Investigative Dermatology*, **2013**, 133, e9	4.3	14
133	Senescent cells harbour features of the cancer epigenome. *Nature Cell Biology*, **2013**, 15, 1495-506	23.4	224
132	Separation of spermatogenic cell types using STA-PUT velocity sedimentation. *Journal of Visualized Experiments*, **2013**,	1.6	39
131	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
130	Depletion of the novel p53-target gene carnitine palmitoyltransferase 1C delays tumor growth in the neurofibromatosis type I tumor model. *Cell Death and Differentiation*, **2013**, 20, 659-68	12.7	60

129	Lysosome-mediated processing of chromatin in senescence. *Journal of Cell Biology*, **2013**, 202, 129-43	7.3	307
128	A chromatin link to caste identity in the carpenter ant Camponotus floridanus. *Genome Research*, **2013**, 23, 486-96	9.7	104
127	Lamin B1 depletion in senescent cells triggers large-scale changes in gene expression and the chromatin landscape. *Genes and Development*, **2013**, 27, 1787-99	12.6	346
126	Inhibition of Isw2-mediated chromatin remodeling by calorie restriction extends lifespan by potentiating stress response. *FASEB Journal*, **2013**, 27, 796.1	0.9	
125	Transgenerational inheritance of longevity: epigenetic mysteries abound. *Cell Metabolism*, **2012**, 15, 6-7	24.6	8
124	Gcn5p-dependent acetylation induces degradation of the meiotic transcriptional repressor Ume6p. *Molecular Biology of the Cell*, **2012**, 23, 1609-17	3.5	16
123	Genome-wide and caste-specific DNA methylomes of the ants Camponotus floridanus and Harpegnathos saltator. *Current Biology*, **2012**, 22, 1755-64	6.3	266
122	IDH mutation impairs histone demethylation and results in a block to cell differentiation. *Nature*, **2012**, 483, 474-8	50.4	1393
121	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
120	Low-hanging fruit: targeting Brdt in the testes. *EMBO Journal*, **2012**, 31, 3788-9	13	7
119	The linker histone plays a dual role during gametogenesis in Saccharomyces cerevisiae. *Molecular and Cellular Biology*, **2012**, 32, 2771-83	4.8	21
118	MYST protein acetyltransferase activity requires active site lysine autoacetylation. *EMBO Journal*, **2012**, 31, 58-70	13	87
117	Yeast Aging Proteome Unveiled a Novel Aging Regulation Pathway Mediated by the Chromatin Remodeling Complex ISW2. *FASEB Journal*, **2012**, 26, 965.2	0.9	
116	Acetylation of yeast AMPK controls intrinsic aging independently of caloric restriction. *Cell*, **2011**, 146, 969-79	56.2	114
115	A genetic and molecular toolbox for analyzing histone ubiquitylation and sumoylation in yeast. *Methods*, **2011**, 54, 296-303	4.6	11
114	The contribution of epigenetic memory to immunologic memory. *Current Opinion in Genetics and Development*, **2011**, 21, 154-9	4.9	33
113	H2B ubiquitylation is part of chromatin architecture that marks exon-intron structure in budding yeast. *BMC Genomics*, **2011**, 12, 627	4.5	26
112	Histone H4 lysine 20 of Saccharomyces cerevisiae is monomethylated and functions in subtelomeric silencing. *Biochemistry*, **2011**, 50, 10473-83	3.2	20

111	Carnitine palmitoyltransferase 1C promotes cell survival and tumor growth under conditions of metabolic stress. *Genes and Development*, **2011**, 25, 1041-51	12.6	324
110	Cutting edge: persistently open chromatin at effector gene loci in resting memory CD8+ T cells independent of transcriptional status. *Journal of Immunology*, **2011**, 186, 2705-9	5.3	60
109	Inactivation of the Sas2 histone acetyltransferase delays senescence driven by telomere dysfunction. *EMBO Journal*, **2010**, 29, 158-70	13	40
108	Systematic screen reveals new functional dynamics of histones H3 and H4 during gametogenesis. *Genes and Development*, **2010**, 24, 1772-86	12.6	73
107	Genomic comparison of the ants Camponotus floridanus and Harpegnathos saltator. *Science*, **2010**, 329, 1068-71	33.3	353
106	G9a and Glp methylate lysine 373 in the tumor suppressor p53. *Journal of Biological Chemistry*, **2010**, 285, 9636-9641	5.4	284
105	Signaling kinase AMPK activates stress-promoted transcription via histone H2B phosphorylation. *Science*, **2010**, 329, 1201-5	33.3	282
104	Genome-wide mapping of histone H4 serine-1 phosphorylation during sporulation in Saccharomyces cerevisiae. *Nucleic Acids Research*, **2010**, 38, 4599-606	20.1	17
103	Chromatin dynamics during herpes simplex virus-1 lytic infection. *Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms*, **2010**, 1799, 223-7	6	23
102	Keeping p53 in check: a high-stakes balancing act. *Cell*, **2010**, 142, 17-9	56.2	20
101	Epigenetic drugs can stimulate metastasis through enhanced expression of the pro-metastatic Ezrin gene. *PLoS ONE*, **2010**, 5, e12710	3.7	38
100	Cell signaling and transcriptional regulation via histone phosphorylation. *Cold Spring Harbor Symposia on Quantitative Biology*, **2010**, 75, 23-6	3.9	12
99	Histone H4 lysine-16 acetylation regulates cellular lifespan. *FASEB Journal*, **2010**, 24, 662.2	0.9	
98	The histone variant H3.3 regulates gene expression during lytic infection with herpes simplex virus type 1. *Journal of Virology*, **2009**, 83, 1416-21	6.6	88
97	Histone H4 lysine 16 acetylation regulates cellular lifespan. *Nature*, **2009**, 459, 802-7	50.4	482
96	Identification and characterization of novel sirtuin inhibitor scaffolds. *Bioorganic and Medicinal Chemistry*, **2009**, 17, 7031-41	3.4	30
95	An operational definition of epigenetics. *Genes and Development*, **2009**, 23, 781-3	12.6	1156
94	Protein acetylation microarray reveals that NuA4 controls key metabolic target regulating gluconeogenesis. *Cell*, **2009**, 136, 1073-84	56.2	251

93	Genome reprogramming during sporulation. *International Journal of Developmental Biology*, **2009**, 53, 425-32	1.9	26
92	Moving AHEAD with an international human epigenome project. *Nature*, **2008**, 454, 711-5	50.4	158
91	Out of the jaws of death: PRMT5 steers p53. *Nature Cell Biology*, **2008**, 10, 1389-90	23.4	13
90	The putative cancer stem cell marker USP22 is a subunit of the human SAGA complex required for activated transcription and cell-cycle progression. *Molecular Cell*, **2008**, 29, 102-11	17.6	321
89	Hit and run: transient deubiquitylase activity in a chromatin-remodeling complex. *Molecular Cell*, **2008**, 31, 773-4	17.6	9
88	The emerging field of dynamic lysine methylation of non-histone proteins. *Current Opinion in Genetics and Development*, **2008**, 18, 152-8	4.9	248
87	14-3-3 interaction with histone H3 involves a dual modification pattern of phosphoacetylation. *Molecular and Cellular Biology*, **2008**, 28, 2840-9	4.8	72
86	The histone H2B-specific ubiquitin ligase RNF20/hBRE1 acts as a putative tumor suppressor through selective regulation of gene expression. *Genes and Development*, **2008**, 22, 2664-76	12.6	201
85	H2B Ubiquitylation and De-Ubiquitylation in Gene Activation. *Novartis Foundation Symposium*, **2008**, 63-77		10
84	Functional dissection of protein complexes involved in yeast chromosome biology using a genetic interaction map. *Nature*, **2007**, 446, 806-10	50.4	731
83	The complex language of chromatin regulation during transcription. *Nature*, **2007**, 447, 407-12	50.4	2126
82	p53 is regulated by the lysine demethylase LSD1. *Nature*, **2007**, 449, 105-8	50.4	593
81	CTCF-dependent chromatin boundary element between the latency-associated transcript and ICP0 promoters in the herpes simplex virus type 1 genome. *Journal of Virology*, **2007**, 81, 5192-201	6.6	38
80	Histone H3 K4 demethylation during activation and attenuation of GAL1 transcription in Saccharomyces cerevisiae. *Molecular and Cellular Biology*, **2007**, 27, 7856-64	4.8	34
79	New nomenclature for chromatin-modifying enzymes. *Cell*, **2007**, 131, 633-6	56.2	745
78	H2B ubiquitylation acts as a barrier to Ctk1 nucleosomal recruitment prior to removal by Ubp8 within a SAGA-related complex. *Molecular Cell*, **2007**, 27, 275-288	17.6	175
77	Structure and dimerization of the kinase domain from yeast Snf1, a member of the Snf1/AMPK protein family. *Structure*, **2006**, 14, 477-85	5.2	57
76	Histone sumoylation is a negative regulator in Saccharomyces cerevisiae and shows dynamic interplay with positive-acting histone modifications. *Genes and Development*, **2006**, 20, 966-76	12.6	258

75	LKB1 is recruited to the p21/WAF1 promoter by p53 to mediate transcriptional activation. *Cancer Research*, **2006**, 66, 10701-8	10.1	85
74	Trimethylation of histone H3 lysine 4 by Set1 in the lytic infection of human herpes simplex virus 1. *Journal of Virology*, **2006**, 80, 5740-6	6.6	87
73	Phosphorylation of histone H4 Ser1 regulates sporulation in yeast and is conserved in fly and mouse spermatogenesis. *Genes and Development*, **2006**, 20, 2580-92	12.6	80
72	A feed-forward repression mechanism anchors the Sin3/histone deacetylase and N-CoR/SMRT corepressors on chromatin. *Molecular and Cellular Biology*, **2006**, 26, 5226-36	4.8	25
71	Sumoylation of the yeast Gcn5 protein. *Biochemistry*, **2006**, 45, 1035-42	3.2	22
70	In vivo dual cross-linking for identification of indirect DNA-associated proteins by chromatin immunoprecipitation. *BioTechniques*, **2006**, 41, 694, 696, 698	2.5	154
69	Repression of p53 activity by Smyd2-mediated methylation. *Nature*, **2006**, 444, 629-32	50.4	462
68	Factor and histone covalent modifications in genome regulation. *FASEB Journal*, **2006**, 20, A850	0.9	
67	Maintenance of low histone ubiquitylation by Ubp10 correlates with telomere-proximal Sir2 association and gene silencing. *Molecular Cell*, **2005**, 17, 585-94	17.6	138
66	Histone H3 phosphorylation can promote TBP recruitment through distinct promoter-specific mechanisms. *EMBO Journal*, **2005**, 24, 997-1008	13	80
65	Phosphorylation of histone H4 serine 1 during DNA damage requires casein kinase II in S. cerevisiae. *Current Biology*, **2005**, 15, 656-60	6.3	122
64	H2B ubiquitin protease Ubp8 and Sgf11 constitute a discrete functional module within the Saccharomyces cerevisiae SAGA complex. *Molecular and Cellular Biology*, **2005**, 25, 1162-72	4.8	120
63	During lytic infection herpes simplex virus type 1 is associated with histones bearing modifications that correlate with active transcription. *Journal of Virology*, **2004**, 78, 10178-86	6.6	132
62	Temporal and spatial changes in transcription factor binding and histone modifications at the steroidogenic acute regulatory protein (stAR) locus associated with stAR transcription. *Molecular Endocrinology*, **2004**, 18, 791-806		86
61	Rad6 plays a role in transcriptional activation through ubiquitylation of histone H2B. *Genes and Development*, **2004**, 18, 184-95	12.6	168
60	Histone modification patterns during gene activation. *Methods in Enzymology*, **2004**, 377, 130-53	1.7	15
59	Good fences make good neighbors: barrier elements and genomic regulation. *Molecular Cell*, **2004**, 16, 500-2	17.6	6
58	Histone H2B ubiquitylation and deubiquitylation in genomic regulation. *Cold Spring Harbor Symposia on Quantitative Biology*, **2004**, 69, 289-99	3.9	14

57	Structural basis for histone and phosphohistone binding by the GCN5 histone acetyltransferase. *Molecular Cell*, **2003**, 12, 461-73	17.6	123
56	A novel human Ada2 homologue functions with Gcn5 or Brg1 to coactivate transcription. *Molecular and Cellular Biology*, **2003**, 23, 6944-57	4.8	51
55	Activating signal cointegrator 2 belongs to a novel steady-state complex that contains a subset of trithorax group proteins. *Molecular and Cellular Biology*, **2003**, 23, 140-9	4.8	190
54	Transcriptional activation via sequential histone H2B ubiquitylation and deubiquitylation, mediated by SAGA-associated Ubp8. *Genes and Development*, **2003**, 17, 2648-63	12.6	525
53	Histone modifications: Now summoning sumoylation. *Proceedings of the National Academy of Sciences of the United States of America*, **2003**, 100, 13118-20	11.5	80
52	Crosstalk between CARM1 methylation and CBP acetylation on histone H3. *Current Biology*, **2002**, 12, 2090-7	6.3	242
51	The SANT domain of Ada2 is required for normal acetylation of histones by the yeast SAGA complex. *Journal of Biological Chemistry*, **2002**, 277, 8178-86	5.4	91
50	SALSA, a variant of yeast SAGA, contains truncated Spt7, which correlates with activated transcription. *Proceedings of the National Academy of Sciences of the United States of America*, **2002**, 99, 11622-7	11.5	99
49	Histone modifications in transcriptional regulation. *Current Opinion in Genetics and Development*, **2002**, 12, 142-8	4.9	973
48	An embarrassment of niches: the many covalent modifications of histones in transcriptional regulation. *Oncogene*, **2001**, 20, 3007-13	9.2	87
47	Snf1--a histone kinase that works in concert with the histone acetyltransferase Gcn5 to regulate transcription. *Science*, **2001**, 293, 1142-6	33.3	315
46	Gene array analysis reveals changes in peripheral nervous system gene expression following stimuli that result in reactivation of latent herpes simplex virus type 1: induction of transcription factor Bcl-3. *Journal of Virology*, **2001**, 75, 9909-17	6.6	15
45	Structure and function of bromodomains in chromatin-regulating complexes. *Gene*, **2001**, 272, 1-9	3.8	76
44	Chromatin goes global. *Molecular Cell*, **2001**, 8, 263-8	17.6	42
43	Acetylation of p53 activates transcription through recruitment of coactivators/histone acetyltransferases. *Molecular Cell*, **2001**, 8, 1243-54	17.6	587
42	Inhibition of TATA-binding protein function by SAGA subunits Spt3 and Spt8 at Gcn4-activated promoters. *Molecular and Cellular Biology*, **2000**, 20, 634-47	4.8	110
41	GCN5 and ADA adaptor proteins regulate triiodothyronine/GRIP1 and SRC-1 coactivator-dependent gene activation by the human thyroid hormone receptor. *Molecular Endocrinology*, **2000**, 14, 718-32		50
40	Acetylation of histones and transcription-related factors. *Microbiology and Molecular Biology Reviews*, **2000**, 64, 435-59	13.2	1272

39	Crystal structure of yeast Esa1 suggests a unified mechanism for catalysis and substrate binding by histone acetyltransferases. *Molecular Cell*, **2000**, 6, 1195-205	17.6	141
38	Phosphorylation of serine 10 in histone H3 is functionally linked in vitro and in vivo to Gcn5-mediated acetylation at lysine 14. *Molecular Cell*, **2000**, 5, 917-26	17.6	455
37	Interplay between chromatin modifying and remodeling complexes in transcriptional regulation. *Critical Reviews in Eukaryotic Gene Expression*, **1999**, 9, 221-30	1.3	22
36	Functional organization of the yeast SAGA complex: distinct components involved in structural integrity, nucleosome acetylation, and TATA-binding protein interaction. *Molecular and Cellular Biology*, **1999**, 19, 86-98	4.8	293
35	Crystal structure and mechanism of histone acetylation of the yeast GCN5 transcriptional coactivator. *Proceedings of the National Academy of Sciences of the United States of America*, **1999**, 96, 8931-6	11.5	156
34	Catalytic mechanism and function of invariant glutamic acid 173 from the histone acetyltransferase GCN5 transcriptional coactivator. *Journal of Biological Chemistry*, **1999**, 274, 18157-60	5.4	181
33	Analysis of activity and regulation of hGcn5, a human histone acetyltransferase. *Methods in Enzymology*, **1999**, 304, 696-715	1.7	
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31	Crystal structure of the histone acetyltransferase domain of the human PCAF transcriptional regulator bound to coenzyme A. *EMBO Journal*, **1999**, 18, 3521-32	13	125
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