

Shelley L Berger

List of Publications by Citations

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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.

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	The complex language of chromatin regulation during transcription. <i>Nature</i> , 2007 , 447, 407-12	50.4	2126
217	IDH mutation impairs histone demethylation and results in a block to cell differentiation. <i>Nature</i> , 2012 , 483, 474-8	50.4	1393
216	Acetylation of histones and transcription-related factors. <i>Microbiology and Molecular Biology Reviews</i> , 2000 , 64, 435-59	13.2	1272
215	An operational definition of epigenetics. <i>Genes and Development</i> , 2009 , 23, 781-3	12.6	1156
214	Geroscience: linking aging to chronic disease. <i>Cell</i> , 2014 , 159, 709-13	56.2	1068
213	Histone modifications in transcriptional regulation. <i>Current Opinion in Genetics and Development</i> , 2002 , 12, 142-8	4.9	973
212	Yeast Gcn5 functions in two multisubunit complexes to acetylate nucleosomal histones: characterization of an Ada complex and the SAGA (Spt/Ada) complex. <i>Genes and Development</i> , 1997 , 11, 1640-50	12.6	828
211	New nomenclature for chromatin-modifying enzymes. <i>Cell</i> , 2007 , 131, 633-6	56.2	745
210	Functional dissection of protein complexes involved in yeast chromosome biology using a genetic interaction map. <i>Nature</i> , 2007 , 446, 806-10	50.4	731
209	p53 sites acetylated in vitro by PCAF and p300 are acetylated in vivo in response to DNA damage. <i>Molecular and Cellular Biology</i> , 1999 , 19, 1202-9	4.8	660
208	The TAF(II)250 subunit of TFIID has histone acetyltransferase activity. <i>Cell</i> , 1996 , 87, 1261-70	56.2	632
207	Epigenetic stability of exhausted T cells limits durability of reinvigoration by PD-1 blockade. <i>Science</i> , 2016 , 354, 1160-1165	33.3	618
206	p53 is regulated by the lysine demethylase LSD1. <i>Nature</i> , 2007 , 449, 105-8	50.4	593
205	Acetylation of p53 activates transcription through recruitment of coactivators/histone acetyltransferases. <i>Molecular Cell</i> , 2001 , 8, 1243-54	17.6	587
204	Transcriptional activation via sequential histone H2B ubiquitylation and deubiquitylation, mediated by SAGA-associated Ubp8. <i>Genes and Development</i> , 2003 , 17, 2648-63	12.6	525
203	Cytoplasmic chromatin triggers inflammation in senescence and cancer. <i>Nature</i> , 2017 , 550, 402-406	50.4	505
202	Histone H4 lysine 16 acetylation regulates cellular lifespan. <i>Nature</i> , 2009 , 459, 802-7	50.4	482

201	Repression of p53 activity by Smyd2-mediated methylation. <i>Nature</i> , 2006 , 444, 629-32	50.4	462
200	TOX transcriptionally and epigenetically programs CD8 T cell exhaustion. <i>Nature</i> , 2019 , 571, 211-218	50.4	459
199	Phosphorylation of serine 10 in histone H3 is functionally linked in vitro and in vivo to Gcn5-mediated acetylation at lysine 14. <i>Molecular Cell</i> , 2000 , 5, 917-26	17.6	455
198	Epigenetic Mechanisms of Longevity and Aging. <i>Cell</i> , 2016 , 166, 822-839	56.2	425
197	Genetic isolation of ADA2: a potential transcriptional adaptor required for function of certain acidic activation domains. <i>Cell</i> , 1992 , 70, 251-65	56.2	408
196	Autophagy mediates degradation of nuclear lamina. <i>Nature</i> , 2015 , 527, 105-9	50.4	365
195	Disruption of TET2 promotes the therapeutic efficacy of CD19-targeted T cells. <i>Nature</i> , 2018 , 558, 307-312	50.4	362
194	Genomic comparison of the ants <i>Camponotus floridanus</i> and <i>Harpegnathos saltator</i> . <i>Science</i> , 2010 , 329, 1068-71	33.3	353
193	Lamin B1 depletion in senescent cells triggers large-scale changes in gene expression and the chromatin landscape. <i>Genes and Development</i> , 2013 , 27, 1787-99	12.6	346
192	Carnitine palmitoyltransferase 1C promotes cell survival and tumor growth under conditions of metabolic stress. <i>Genes and Development</i> , 2011 , 25, 1041-51	12.6	324
191	The putative cancer stem cell marker USP22 is a subunit of the human SAGA complex required for activated transcription and cell-cycle progression. <i>Molecular Cell</i> , 2008 , 29, 102-11	17.6	321
190	Selective inhibition of activated but not basal transcription by the acidic activation domain of VP16: evidence for transcriptional adaptors. <i>Cell</i> , 1990 , 61, 1199-208	56.2	316
189	Snf1--a histone kinase that works in concert with the histone acetyltransferase Gcn5 to regulate transcription. <i>Science</i> , 2001 , 293, 1142-6	33.3	315
188	Lysosome-mediated processing of chromatin in senescence. <i>Journal of Cell Biology</i> , 2013 , 202, 129-43	7.3	307
187	Gain-of-function p53 mutants co-opt chromatin pathways to drive cancer growth. <i>Nature</i> , 2015 , 525, 206-11	50.4	294
186	Functional organization of the yeast SAGA complex: distinct components involved in structural integrity, nucleosome acetylation, and TATA-binding protein interaction. <i>Molecular and Cellular Biology</i> , 1999 , 19, 86-98	4.8	293
185	G9a and Glp methylate lysine 373 in the tumor suppressor p53. <i>Journal of Biological Chemistry</i> , 2010 , 285, 9636-9641	5.4	284
184	Signaling kinase AMPK activates stress-promoted transcription via histone H2B phosphorylation. <i>Science</i> , 2010 , 329, 1201-5	33.3	282

183	Genome-wide and caste-specific DNA methylomes of the ants <i>Camponotus floridanus</i> and <i>Harpegnathos saltator</i> . <i>Current Biology</i> , 2012 , 22, 1755-64	6.3	266
182	Histone sumoylation is a negative regulator in <i>Saccharomyces cerevisiae</i> and shows dynamic interplay with positive-acting histone modifications. <i>Genes and Development</i> , 2006 , 20, 966-76	12.6	258
181	Protein acetylation microarray reveals that NuA4 controls key metabolic target regulating gluconeogenesis. <i>Cell</i> , 2009 , 136, 1073-84	56.2	251
180	The emerging field of dynamic lysine methylation of non-histone proteins. <i>Current Opinion in Genetics and Development</i> , 2008 , 18, 152-8	4.9	248
179	Structure of Tetrahymena GCN5 bound to coenzyme A and a histone H3 peptide. <i>Nature</i> , 1999 , 401, 93-8	50.4	244
178	Crosstalk between CARM1 methylation and CBP acetylation on histone H3. <i>Current Biology</i> , 2002 , 12, 2090-7	6.3	242
177	Senescent cells harbour features of the cancer epigenome. <i>Nature Cell Biology</i> , 2013 , 15, 1495-506	23.4	224
176	Acetyl-CoA synthetase regulates histone acetylation and hippocampal memory. <i>Nature</i> , 2017 , 546, 381-384	38.4	204
175	The histone H2B-specific ubiquitin ligase RNF20/hBRE1 acts as a putative tumor suppressor through selective regulation of gene expression. <i>Genes and Development</i> , 2008 , 22, 2664-76	12.6	201
174	RNA Binding to CBP Stimulates Histone Acetylation and Transcription. <i>Cell</i> , 2017 , 168, 135-149.e22	56.2	198
173	Critical residues for histone acetylation by Gcn5, functioning in Ada and SAGA complexes, are also required for transcriptional function in vivo. <i>Genes and Development</i> , 1998 , 12, 640-53	12.6	197
172	TCF-1-Centered Transcriptional Network Drives an Effector versus Exhausted CD8 ⁺ T Cell-Fate Decision. <i>Immunity</i> , 2019 , 51, 840-855.e5	32.3	196
171	Activating signal cointegrator 2 belongs to a novel steady-state complex that contains a subset of trithorax group proteins. <i>Molecular and Cellular Biology</i> , 2003 , 23, 140-9	4.8	190
170	Catalytic mechanism and function of invariant glutamic acid 173 from the histone acetyltransferase GCN5 transcriptional coactivator. <i>Journal of Biological Chemistry</i> , 1999 , 274, 18157-60	5.4	181
169	H2B ubiquitylation acts as a barrier to Ctk1 nucleosomal recruitment prior to removal by Ubp8 within a SAGA-related complex. <i>Molecular Cell</i> , 2007 , 27, 275-288	17.6	175
168	Regulation of chromatin and gene expression by metabolic enzymes and metabolites. <i>Nature Reviews Molecular Cell Biology</i> , 2018 , 19, 563-578	48.7	170
167	Histone acetyltransferase activity and interaction with ADA2 are critical for GCN5 function in vivo. <i>EMBO Journal</i> , 1997 , 16, 555-65	13	169
166	Rad6 plays a role in transcriptional activation through ubiquitylation of histone H2B. <i>Genes and Development</i> , 2004 , 18, 184-95	12.6	168

165	Social insect genomes exhibit dramatic evolution in gene composition and regulation while preserving regulatory features linked to sociality. <i>Genome Research</i> , 2013 , 23, 1235-47	9.7	166
164	Identification of human proteins functionally conserved with the yeast putative adaptors ADA2 and GCN5. <i>Molecular and Cellular Biology</i> , 1996 , 16, 593-602	4.8	161
163	Epigenetics of aging and aging-related disease. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2014 , 69 Suppl 1, S17-20	6.4	158
162	Moving AHEAD with an international human epigenome project. <i>Nature</i> , 2008 , 454, 711-5	50.4	158
161	Crystal structure and mechanism of histone acetylation of the yeast GCN5 transcriptional coactivator. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999 , 96, 8931-6	11.5	156
160	Characterization of physical interactions of the putative transcriptional adaptor, ADA2, with acidic activation domains and TATA-binding protein. <i>Journal of Biological Chemistry</i> , 1995 , 270, 19337-44	5.4	155
159	In vivo dual cross-linking for identification of indirect DNA-associated proteins by chromatin immunoprecipitation. <i>BioTechniques</i> , 2006 , 41, 694, 696, 698	2.5	154
158	The SAGA unfolds: convergence of transcription regulators in chromatin-modifying complexes. <i>Trends in Cell Biology</i> , 1998 , 8, 193-7	18.3	153
157	The ADA complex is a distinct histone acetyltransferase complex in <i>Saccharomyces cerevisiae</i> . <i>Molecular and Cellular Biology</i> , 1999 , 19, 6621-31	4.8	152
156	Phylogenetic and transcriptomic analysis of chemosensory receptors in a pair of divergent ant species reveals sex-specific signatures of odor coding. <i>PLoS Genetics</i> , 2012 , 8, e1002930	6	150
155	Gene activation by histone and factor acetyltransferases. <i>Current Opinion in Cell Biology</i> , 1999 , 11, 336-41	4	148
154	Crystal structure of yeast Esa1 suggests a unified mechanism for catalysis and substrate binding by histone acetyltransferases. <i>Molecular Cell</i> , 2000 , 6, 1195-205	17.6	141
153	Histone acetyltransferase activity is conserved between yeast and human GCN5 and is required for complementation of growth and transcriptional activation. <i>Molecular and Cellular Biology</i> , 1997 , 17, 519-27	4.8	140
152	H3K36 methylation promotes longevity by enhancing transcriptional fidelity. <i>Genes and Development</i> , 2015 , 29, 1362-76	12.6	138
151	Maintenance of low histone ubiquitylation by Ubp10 correlates with telomere-proximal Sir2 association and gene silencing. <i>Molecular Cell</i> , 2005 , 17, 585-94	17.6	138
150	Eusocial insects as emerging models for behavioural epigenetics. <i>Nature Reviews Genetics</i> , 2014 , 15, 677-88	38.1	133
149	During lytic infection herpes simplex virus type 1 is associated with histones bearing modifications that correlate with active transcription. <i>Journal of Virology</i> , 2004 , 78, 10178-86	6.6	132
148	Epigenetic (re)programming of caste-specific behavior in the ant <i>Camponotus floridanus</i> . <i>Science</i> , 2016 , 351, aac6633	33.3	131

147	Two tandem and independent sub-activation domains in the amino terminus of p53 require the adaptor complex for activity. <i>Oncogene</i> , 1997 , 15, 807-16	9.2	128
146	Epigenetic Regulation in Neurodegenerative Diseases. <i>Trends in Neurosciences</i> , 2018 , 41, 587-598	13.3	127
145	Dysregulation of the epigenetic landscape of normal aging in Alzheimer's disease. <i>Nature Neuroscience</i> , 2018 , 21, 497-505	25.5	126
144	An Engineered orco Mutation Produces Aberrant Social Behavior and Defective Neural Development in Ants. <i>Cell</i> , 2017 , 170, 736-747.e9	56.2	126
143	Crystal structure of the histone acetyltransferase domain of the human PCAF transcriptional regulator bound to coenzyme A. <i>EMBO Journal</i> , 1999 , 18, 3521-32	13	125
142	Structural basis for histone and phosphohistone binding by the GCN5 histone acetyltransferase. <i>Molecular Cell</i> , 2003 , 12, 461-73	17.6	123
141	Phosphorylation of histone H4 serine 1 during DNA damage requires casein kinase II in <i>S. cerevisiae</i> . <i>Current Biology</i> , 2005 , 15, 656-60	6.3	122
140	DNA methylation in social insects: how epigenetics can control behavior and longevity. <i>Annual Review of Entomology</i> , 2015 , 60, 435-52	21.8	121
139	H2B ubiquitin protease Ubp8 and Sgf11 constitute a discrete functional module within the <i>Saccharomyces cerevisiae</i> SAGA complex. <i>Molecular and Cellular Biology</i> , 2005 , 25, 1162-72	4.8	120
138	A conserved motif present in a class of helix-loop-helix proteins activates transcription by direct recruitment of the SAGA complex. <i>Molecular Cell</i> , 1999 , 4, 63-73	17.6	117
137	Acetylation of yeast AMPK controls intrinsic aging independently of caloric restriction. <i>Cell</i> , 2011 , 146, 969-79	56.2	114
136	Inhibition of TATA-binding protein function by SAGA subunits Spt3 and Spt8 at Gcn4-activated promoters. <i>Molecular and Cellular Biology</i> , 2000 , 20, 634-47	4.8	110
135	Repression of GCN5 histone acetyltransferase activity via bromodomain-mediated binding and phosphorylation by the Ku-DNA-dependent protein kinase complex. <i>Molecular and Cellular Biology</i> , 1998 , 18, 1349-58	4.8	108
134	A chromatin link to caste identity in the carpenter ant <i>Camponotus floridanus</i> . <i>Genome Research</i> , 2013 , 23, 486-96	9.7	104
133	SALSA, a variant of yeast SAGA, contains truncated Spt7, which correlates with activated transcription. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 11622-7	11.5	99
132	Structural and functional analysis of yeast putative adaptors. Evidence for an adaptor complex in vivo. <i>Journal of Biological Chemistry</i> , 1996 , 271, 5237-45	5.4	99
131	MLL1 is essential for the senescence-associated secretory phenotype. <i>Genes and Development</i> , 2016 , 30, 321-36	12.6	97
130	Absence of Gcn5 HAT activity defines a novel state in the opening of chromatin at the PHO5 promoter in yeast. <i>Molecular Cell</i> , 1998 , 1, 495-505	17.6	97

129	The Neuropeptide Corazonin Controls Social Behavior and Caste Identity in Ants. <i>Cell</i> , 2017 , 170, 748-759	9.12	94
128	Histone acetyltransferase complexes. <i>Seminars in Cell and Developmental Biology</i> , 1999 , 10, 169-77	7.5	94
127	Chemoreceptor Evolution in Hymenoptera and Its Implications for the Evolution of Eusociality. <i>Genome Biology and Evolution</i> , 2015 , 7, 2407-16	3.9	92
126	The SANT domain of Ada2 is required for normal acetylation of histones by the yeast SAGA complex. <i>Journal of Biological Chemistry</i> , 2002 , 277, 8178-86	5.4	91
125	Cloning of Drosophila GCN5: conserved features among metazoan GCN5 family members. <i>Nucleic Acids Research</i> , 1998 , 26, 2948-54	20.1	89
124	The histone variant H3.3 regulates gene expression during lytic infection with herpes simplex virus type 1. <i>Journal of Virology</i> , 2009 , 83, 1416-21	6.6	88
123	Differential activation of RNA polymerase III-transcribed genes by the polyomavirus enhancer and the adenovirus E1A gene products. <i>Nucleic Acids Research</i> , 1985 , 13, 1413-28	20.1	88
122	MYST protein acetyltransferase activity requires active site lysine autoacetylation. <i>EMBO Journal</i> , 2012 , 31, 58-70	13	87
121	Trimethylation of histone H3 lysine 4 by Set1 in the lytic infection of human herpes simplex virus 1. <i>Journal of Virology</i> , 2006 , 80, 5740-6	6.6	87
120	An embarrassment of niches: the many covalent modifications of histones in transcriptional regulation. <i>Oncogene</i> , 2001 , 20, 3007-13	9.2	87
119	Temporal and spatial changes in transcription factor binding and histone modifications at the steroidogenic acute regulatory protein (stAR) locus associated with stAR transcription. <i>Molecular Endocrinology</i> , 2004 , 18, 791-806		86
118	Alcohol metabolism contributes to brain histone acetylation. <i>Nature</i> , 2019 , 574, 717-721	50.4	86
117	Metabolic Signaling to Chromatin. <i>Cold Spring Harbor Perspectives in Biology</i> , 2016 , 8,	10.2	85
116	LKB1 is recruited to the p21/WAF1 promoter by p53 to mediate transcriptional activation. <i>Cancer Research</i> , 2006 , 66, 10701-8	10.1	85
115	Mitochondria-to-nucleus retrograde signaling drives formation of cytoplasmic chromatin and inflammation in senescence. <i>Genes and Development</i> , 2020 , 34, 428-445	12.6	83
114	Cuticular Hydrocarbon Pheromones for Social Behavior and Their Coding in the Ant Antenna. <i>Cell Reports</i> , 2015 , 12, 1261-71	10.6	80
113	Phosphorylation of histone H4 Ser1 regulates sporulation in yeast and is conserved in fly and mouse spermatogenesis. <i>Genes and Development</i> , 2006 , 20, 2580-92	12.6	80
112	Histone modifications: Now summoning sumoylation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 13118-20	11.5	80

111	Histone H3 phosphorylation can promote TBP recruitment through distinct promoter-specific mechanisms. <i>EMBO Journal</i> , 2005 , 24, 997-1008	13	80
110	Impaired Death Receptor Signaling in Leukemia Causes Antigen-Independent Resistance by Inducing CAR T-cell Dysfunction. <i>Cancer Discovery</i> , 2020 , 10, 552-567	24.4	79
109	Structure and function of bromodomains in chromatin-regulating complexes. <i>Gene</i> , 2001 , 272, 1-9	3.8	76
108	Systematic screen reveals new functional dynamics of histones H3 and H4 during gametogenesis. <i>Genes and Development</i> , 2010 , 24, 1772-86	12.6	73
107	14-3-3 interaction with histone H3 involves a dual modification pattern of phosphoacetylation. <i>Molecular and Cellular Biology</i> , 2008 , 28, 2840-9	4.8	72
106	TP53 engagement with the genome occurs in distinct local chromatin environments via pioneer factor activity. <i>Genome Research</i> , 2015 , 25, 179-88	9.7	69
105	Comprehensive analysis of histone post-translational modifications in mouse and human male germ cells. <i>Epigenetics and Chromatin</i> , 2016 , 9, 24	5.8	67
104	SIRT1 is downregulated by autophagy in senescence and ageing. <i>Nature Cell Biology</i> , 2020 , 22, 1170-1179	23.4	65
103	Acetyl-CoA promotes glioblastoma cell adhesion and migration through Ca-NFAT signaling. <i>Genes and Development</i> , 2018 , 32, 497-511	12.6	63
102	Depletion of the novel p53-target gene carnitine palmitoyltransferase 1C delays tumor growth in the neurofibromatosis type I tumor model. <i>Cell Death and Differentiation</i> , 2013 , 20, 659-68	12.7	60
101	Cutting edge: persistently open chromatin at effector gene loci in resting memory CD8+ T cells independent of transcriptional status. <i>Journal of Immunology</i> , 2011 , 186, 2705-9	5.3	60
100	Inactivation of yeast Isw2 chromatin remodeling enzyme mimics longevity effect of calorie restriction via induction of genotoxic stress response. <i>Cell Metabolism</i> , 2014 , 19, 952-66	24.6	59
99	Specialized odorant receptors in social insects that detect cuticular hydrocarbon cues and candidate pheromones. <i>Nature Communications</i> , 2017 , 8, 297	17.4	59
98	Structure and dimerization of the kinase domain from yeast Snf1, a member of the Snf1/AMPK protein family. <i>Structure</i> , 2006 , 14, 477-85	5.2	57
97	CDKN2B Loss Promotes Progression from Benign Melanocytic Nevus to Melanoma. <i>Cancer Discovery</i> , 2015 , 5, 1072-85	24.4	56
96	Histone Acetyltransferase p300 Induces De Novo Super-Enhancers to Drive Cellular Senescence. <i>Molecular Cell</i> , 2019 , 73, 684-698.e8	17.6	55
95	An integrated multi-omics approach identifies epigenetic alterations associated with Alzheimer's disease. <i>Nature Genetics</i> , 2020 , 52, 1024-1035	36.3	53
94	The SAGA histone deubiquitinase module controls yeast replicative lifespan via Sir2 interaction. <i>Cell Reports</i> , 2014 , 8, 477-86	10.6	52

93	Activation of chromosomal DNA replication in <i>Saccharomyces cerevisiae</i> by acidic transcriptional activation domains. <i>Molecular and Cellular Biology</i> , 1998 , 18, 1296-302	4.8	52
92	A novel human Ada2 homologue functions with Gcn5 or Brg1 to coactivate transcription. <i>Molecular and Cellular Biology</i> , 2003 , 23, 6944-57	4.8	51
91	Functional characterization of odorant receptors in the ponerine ant., <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 8586-8591	11.5	50
90	GCN5 and ADA adaptor proteins regulate triiodothyronine/GRIP1 and SRC-1 coactivator-dependent gene activation by the human thyroid hormone receptor. <i>Molecular Endocrinology</i> , 2000 , 14, 718-32		50
89	Stable-isotope-labeled histone peptide library for histone post-translational modification and variant quantification by mass spectrometry. <i>Molecular and Cellular Proteomics</i> , 2014 , 13, 2450-66	7.6	48
88	KMT2D regulates p63 target enhancers to coordinate epithelial homeostasis. <i>Genes and Development</i> , 2018 , 32, 181-193	12.6	47
87	TDP-43 Promotes Neurodegeneration by Impairing Chromatin Remodeling. <i>Current Biology</i> , 2017 , 27, 3579-3590.e6	6.3	43
86	Changes in the Transcriptome of Human Astrocytes Accompanying Oxidative Stress-Induced Senescence. <i>Frontiers in Aging Neuroscience</i> , 2016 , 8, 208	5.3	43
85	Chromatin goes global. <i>Molecular Cell</i> , 2001 , 8, 263-8	17.6	42
84	Inactivation of the Sas2 histone acetyltransferase delays senescence driven by telomere dysfunction. <i>EMBO Journal</i> , 2010 , 29, 158-70	13	40
83	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. <i>Genome Biology</i> , 2016 , 17, 158	18.3	40
82	Separation of spermatogenic cell types using STA-PUT velocity sedimentation. <i>Journal of Visualized Experiments</i> , 2013 ,	1.6	39
81	CTCF-dependent chromatin boundary element between the latency-associated transcript and ICP0 promoters in the herpes simplex virus type 1 genome. <i>Journal of Virology</i> , 2007 , 81, 5192-201	6.6	38
80	Epigenetic drugs can stimulate metastasis through enhanced expression of the pro-metastatic Ezrin gene. <i>PLoS ONE</i> , 2010 , 5, e12710	3.7	38
79	Mitotic Stress Is an Integral Part of the Oncogene-Induced Senescence Program that Promotes Multinucleation and Cell Cycle Arrest. <i>Cell Reports</i> , 2015 , 12, 1483-96	10.6	36
78	Combinatorial genetics in liver repopulation and carcinogenesis with a in vivo CRISPR activation platform. <i>Hepatology</i> , 2018 , 68, 663-676	11.2	36
77	Histone methylation has dynamics distinct from those of histone acetylation in cell cycle reentry from quiescence. <i>Molecular and Cellular Biology</i> , 2014 , 34, 3968-80	4.8	34
76	Histone H3 K4 demethylation during activation and attenuation of GAL1 transcription in <i>Saccharomyces cerevisiae</i> . <i>Molecular and Cellular Biology</i> , 2007 , 27, 7856-64	4.8	34

75	The contribution of epigenetic memory to immunologic memory. <i>Current Opinion in Genetics and Development</i> , 2011 , 21, 154-9	4.9	33
74	Identification and characterization of novel sirtuin inhibitor scaffolds. <i>Bioorganic and Medicinal Chemistry</i> , 2009 , 17, 7031-41	3.4	30
73	The interplay between epigenetic changes and the p53 protein in stem cells. <i>Genes and Development</i> , 2017 , 31, 1195-1201	12.6	29
72	Characterization of BRD4 during mammalian postmeiotic sperm development. <i>Molecular and Cellular Biology</i> , 2015 , 35, 1433-48	4.8	29
71	Mammalian autophagy degrades nuclear constituents in response to tumorigenic stress. <i>Autophagy</i> , 2016 , 12, 1416-7	10.2	28
70	Lysine methylation represses p53 activity in teratocarcinoma cancer cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 9822-7	11.5	27
69	H2B ubiquitylation is part of chromatin architecture that marks exon-intron structure in budding yeast. <i>BMC Genomics</i> , 2011 , 12, 627	4.5	26
68	Genome reprogramming during sporulation. <i>International Journal of Developmental Biology</i> , 2009 , 53, 425-32	1.9	26
67	A feed-forward repression mechanism anchors the Sin3/histone deacetylase and N-CoR/SMRT corepressors on chromatin. <i>Molecular and Cellular Biology</i> , 2006 , 26, 5226-36	4.8	25
66	Chromatin dynamics during herpes simplex virus-1 lytic infection. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2010 , 1799, 223-7	6	23
65	Use of differential display reverse transcription-PCR to reveal cellular changes during stimuli that result in herpes simplex virus type 1 reactivation from latency: upregulation of immediate-early cellular response genes TIS7, interferon, and interferon regulatory factor-1. <i>Journal of Virology</i> , 1998 , 72, 1252-61	6.6	23
64	Sumoylation of the yeast Gcn5 protein. <i>Biochemistry</i> , 2006 , 45, 1035-42	3.2	22
63	Interplay between chromatin modifying and remodeling complexes in transcriptional regulation. <i>Critical Reviews in Eukaryotic Gene Expression</i> , 1999 , 9, 221-30	1.3	22
62	A rare DNA contact mutation in cancer confers p53 gain-of-function and tumor cell survival via TNFAIP8 induction. <i>Molecular Oncology</i> , 2016 , 10, 1207-20	7.9	22
61	Chemosensory sensitivity reflects reproductive status in the ant <i>Harpegnathos saltator</i> . <i>Scientific Reports</i> , 2017 , 7, 3732	4.9	21
60	Humanized H19/Igf2 locus reveals diverged imprinting mechanism between mouse and human and reflects Silver-Russell syndrome phenotypes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 10938-43	11.5	21
59	The linker histone plays a dual role during gametogenesis in <i>Saccharomyces cerevisiae</i> . <i>Molecular and Cellular Biology</i> , 2012 , 32, 2771-83	4.8	21
58	In vivo CD8 T cell CRISPR screening reveals control by Fli1 in infection and cancer. <i>Cell</i> , 2021 , 184, 1262-1280.e22	13.0	21

57	Histone modification signatures in human sperm distinguish clinical abnormalities. <i>Journal of Assisted Reproduction and Genetics</i> , 2019 , 36, 267-275	3.4	21
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