Shelley L Berger

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/190465/publications.pdf

Version: 2024-02-01

218 papers	43,914 citations	2101 100 h-index	2178 202 g-index
230 all docs	230 docs citations	230 times ranked	45859 citing authors

#	Article	IF	Citations
1	The complex language of chromatin regulation during transcription. Nature, 2007, 447, 407-412.	27.8	2,432
2	Geroscience: Linking Aging to Chronic Disease. Cell, 2014, 159, 709-713.	28.9	1,709
3	IDH mutation impairs histone demethylation and results in a block to cell differentiation. Nature, 2012, 483, 474-478.	27.8	1,693
4	Acetylation of Histones and Transcription-Related Factors. Microbiology and Molecular Biology Reviews, 2000, 64, 435-459.	6.6	1,466
5	An operational definition of epigenetics: Figure 1.. Genes and Development, 2009, 23, 781-783.	5.9	1,457
6	Histone modifications in transcriptional regulation. Current Opinion in Genetics and Development, 2002, 12, 142-148.	3.3	1,071
7	Yeast Gcn5 functions in two multisubunit complexes to acetylate nucleosomal histones: characterization of an Ada complex and the SAGA (Spt/Ada) complex.. Genes and Development, 1997, 11, 1640-1650.	5.9	962
8	Epigenetic stability of exhausted T cells limits durability of reinvigoration by PD-1 blockade. Science, 2016, 354, 1160-1165.	12.6	939
9	TOX transcriptionally and epigenetically programs CD8+ T cell exhaustion. Nature, 2019, 571, 211-218.	27.8	934
10	Cytoplasmic chromatin triggers inflammation in senescence and cancer. Nature, 2017, 550, 402-406.	27.8	851
11	New Nomenclature for Chromatin-Modifying Enzymes. Cell, 2007, 131, 633-636.	28.9	849
12	Functional dissection of protein complexes involved in yeast chromosome biology using a genetic interaction map. Nature, 2007, 446, 806-810.	27.8	806
13	p53 Sites Acetylated In Vitro by PCAF and p300 Are Acetylated In Vivo in Response to DNA Damage. Molecular and Cellular Biology, 1999, 19, 1202-1209.	2.3	715
14	p53 is regulated by the lysine demethylase LSD1. Nature, 2007, 449, 105-108.	27.8	699
15	The TAFII250 Subunit of TFIID Has Histone Acetyltransferase Activity. Cell, 1996, 87, 1261-1270.	28.9	677
16	Acetylation of p53 Activates Transcription through Recruitment of Coactivators/Histone Acetyltransferases. Molecular Cell, 2001, 8, 1243-1254.	9.7	649
17	Epigenetic Mechanisms of Longevity and Aging. Cell, 2016, 166, 822-839.	28.9	649
18	Transcriptional activation via sequential histone H2B ubiquitylation and deubiquitylation, mediated by SAGA-associated Ubp8. Genes and Development, 2003, 17, 2648-2663.	5.9	598

#	Article	IF	Citations
19	Histone H4 lysine 16 acetylation regulates cellular lifespan. Nature, 2009, 459, 802-807.	27.8	580
20	Disruption of TET2 promotes the therapeutic efficacy of CD19-targeted T cells. Nature, 2018, 558, 307-312.	27.8	574
21	Repression of p53 activity by Smyd2-mediated methylation. Nature, 2006, 444, 629-632.	27.8	541
22	Autophagy mediates degradation of nuclear lamina. Nature, 2015, 527, 105-109.	27.8	510
23	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, 917-926.	9.7	498
24	Genetic isolation of ADA2: A potential transcriptional adaptor required for function of certain acidic activation domains. Cell, 1992, 70, 251-265.	28.9	449
25	Lamin B1 depletion in senescent cells triggers large-scale changes in gene expression and the chromatin landscape. Genes and Development, 2013, 27, 1787-1799.	5.9	440
26	Genomic Comparison of the Ants Camponotus floridanus and Harpegnathos saltator. Science, 2010, 329, 1068-1071.	12.6	420
27	Lysosome-mediated processing of chromatin in senescence. Journal of Cell Biology, 2013, 202, 129-143.	5.2	413
28	TCF-1-Centered Transcriptional Network Drives an Effector versus Exhausted CD8ÂT Cell-Fate Decision. Immunity, 2019, 51, 840-855.e5.	14.3	409
29	Carnitine palmitoyltransferase 1C promotes cell survival and tumor growth under conditions of metabolic stress. Genes and Development, 2011, 25, 1041-1051.	5.9	386
30	Gain-of-function p53 mutants co-opt chromatin pathways to drive cancer growth. Nature, 2015, 525, 206-211.	27.8	386
31	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, 102-111.	9.7	370
32	Genome-wide and Caste-Specific DNA Methylomes of the Ants Camponotus floridanus and Harpegnathos saltator. Current Biology, 2012, 22, 1755-1764.	3.9	361
33	Selective inhibition of activated but not basal transcription by the acidic activation domain of VP16: Evidence for transcriptional adaptors. Cell, 1990, 61, 1199-1208.	28.9	342
34	G9a and Glp Methylate Lysine 373 in the Tumor Suppressor p53. Journal of Biological Chemistry, 2010, 285, 9636-9641.	3.4	339
35	Snf1--a Histone Kinase That Works in Concert with the Histone Acetyltransferase Gcn5 to Regulate Transcription. Science, 2001, 293, 1142-1146.	12.6	336
36	Acetyl-CoA synthetase regulates histone acetylation and hippocampal memory. Nature, 2017, 546, 381-386.	27.8	329

#	Article	IF	Citations
37	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.	2.3	322
38	Signaling Kinase AMPK Activates Stress-Promoted Transcription via Histone H2B Phosphorylation. Science, 2010, 329, 1201-1205.	12.6	320
39	Senescent cells harbour features of the cancer epigenome. Nature Cell Biology, 2013, 15, 1495-1506.	10.3	300
40	RNA Binding to CBP Stimulates Histone Acetylation and Transcription. Cell, 2017, 168, 135-149.e22.	28.9	298
41	Regulation of chromatin and gene expression by metabolic enzymes and metabolites. Nature Reviews Molecular Cell Biology, 2018, 19, 563-578.	37.0	297
42	Histone sumoylation is a negative regulator in Saccharomyces cerevisiae and shows dynamic interplay with positive-acting histone modifications. Genes and Development, 2006, 20, 966-976.	5.9	282
43	Protein Acetylation Microarray Reveals that NuA4 Controls Key Metabolic Target Regulating Gluconeogenesis. Cell, 2009, 136, 1073-1084.	28.9	279
44	The emerging field of dynamic lysine methylation of non-histone proteins. Current Opinion in Genetics and Development, 2008, 18, 152-158.	3.3	270
45	Crosstalk between CARM1 Methylation and CBP Acetylation on Histone H3. Current Biology, 2002, 12, 2090-2097.	3.9	262
46	Structure of Tetrahymena GCN5 bound to coenzyme A and a histone H3 peptide. Nature, 1999, 401, 93-98.	27.8	258
47	Epigenetic Regulation in Neurodegenerative Diseases. Trends in Neurosciences, 2018, 41, 587-598.	8.6	248
48	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, 2664-2676.	5.9	240
49	Dysregulation of the epigenetic landscape of normal aging in Alzheimerâ€™s disease. Nature Neuroscience, 2018, 21, 497-505.	14.8	236
50	SIRT1 is downregulated by autophagy in senescence and ageing. Nature Cell Biology, 2020, 22, 1170-1179.	10.3	236
51	Critical residues for histone acetylation by Gcn5, functioning in Ada and SAGA complexes, are also required for transcriptional function inÂvivo. Genes and Development, 1998, 12, 640-653.	5.9	235
52	Social insect genomes exhibit dramatic evolution in gene composition and regulation while preserving regulatory features linked to sociality. Genome Research, 2013, 23, 1235-1247.	5.5	205
53	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, 140-149.	2.3	202
54	Epigenetics of Aging and Aging-related Disease. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2014, 69, S17-S20.	3.6	200

#	Article	IF	Citations
55	Catalytic Mechanism and Function of Invariant Glutamic Acid 173 from the Histone Acetyltransferase GCN5 Transcriptional Coactivator. Journal of Biological Chemistry, 1999, 274, 18157-18160.	3.4	198
56	Histone acetyltransferase activity and interaction with ADA2 are critical for GCN5 function invivo. EMBO Journal, 1997, 16, 555-565.	7.8	197
57	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.	9.7	196
58	H3K36 methylation promotes longevity by enhancing transcriptional fidelity. Genes and Development, 2015, 29, 1362-1376.	5.9	196
59	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.	3.5	192
60	An integrated multi-omics approach identifies epigenetic alterations associated with Alzheimerâ€™s disease. Nature Genetics, 2020, 52, 1024-1035.	21.4	191
61	An Engineered orco Mutation Produces Aberrant Social Behavior and Defective Neural Development in Ants. Cell, 2017, 170, 736-747.e9.	28.9	188
62	Mitochondria-to-nucleus retrograde signaling drives formation of cytoplasmic chromatin and inflammation in senescence. Genes and Development, 2020, 34, 428-445.	5.9	188
63	Rad6 plays a role in transcriptional activation through ubiquitylation of histone H2B. Genes and Development, 2004, 18, 184-195.	5.9	186
64	Eusocial insects as emerging models for behavioural epigenetics. Nature Reviews Genetics, 2014, 15, 677-688.	16.3	186
65	Epigenetic (re)programming of caste-specific behavior in the ant Camponotus floridanus. Science, 2016, 351, aac6633.	12.6	184
66	Impaired Death Receptor Signaling in Leukemia Causes Antigen-Independent Resistance by Inducing CAR T-cell Dysfunction. Cancer Discovery, 2020, 10, 552-567.	9.4	184
67	Identification of Human Proteins Functionally Conserved with the Yeast Putative Adaptors ADA2 and GCN5. Molecular and Cellular Biology, 1996, 16, 593-602.	2.3	178
68	Moving AHEAD with an international human epigenome project. Nature, 2008, 454, 711-715.	27.8	177
69	Characterization of Physical Interactions of the Putative Transcriptional Adaptor, ADA2, with Acidic Activation Domains and TATA-binding Protein. Journal of Biological Chemistry, 1995, 270, 19337-19344.	3.4	174
70	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, 8931-8936.	7.1	168
71	The SAGA unfolds: convergence of transcription regulators in chromatin-modifying complexes. Trends in Cell Biology, 1998, 8, 193-197.	7.9	164
72	The ADA Complex Is a Distinct Histone Acetyltransferase Complex in Saccharomyces cerevisiae. Molecular and Cellular Biology, 1999, 19, 6621-6631.	2.3	162

#	Article	IF	Citations
73	In vivo dual cross-linking for identification of indirect DNA-associated proteins by chromatin immunoprecipitation. BioTechniques, 2006, 41, 694-698.	1.8	162
74	Alcohol metabolism contributes to brain histone acetylation. Nature, 2019, 574, 717-721.	27.8	161
75	An NK-like CAR TÂcell transition in CAR TÂcell dysfunction. Cell, 2021, 184, 6081-6100.e26.	28.9	160
76	Gene activation by histone and factor acetyltransferases. Current Opinion in Cell Biology, 1999, 11, 336-341.	5.4	159
77	DNA Methylation in Social Insects: How Epigenetics Can Control Behavior and Longevity. Annual Review of Entomology, 2015, 60, 435-452.	11.8	156
78	Histone Acetyltransferase Activity Is Conserved between Yeast and Human GCN5 and Is Required for Complementation of Growth and Transcriptional Activation. Molecular and Cellular Biology, 1997, 17, 519-527.	2.3	154
79	Maintenance of Low Histone Ubiquitylation by Ubp10 Correlates with Telomere-Proximal Sir2 Association and Gene Silencing. Molecular Cell, 2005, 17, 585-594.	9.7	153
80	Crystal Structure of Yeast Esa1 Suggests a Unified Mechanism for Catalysis and Substrate Binding by Histone Acetyltransferases. Molecular Cell, 2000, 6, 1195-1205.	9.7	151
81	During Lytic Infection Herpes Simplex Virus Type 1 Is Associated with Histones Bearing Modifications That Correlate with Active Transcription. Journal of Virology, 2004, 78, 10178-10186.	3.4	147
82	The Neuropeptide Corazonin Controls Social Behavior and Caste Identity in Ants. Cell, 2017, 170, 748-759.e12.	28.9	146
83	Chemoreceptor Evolution in Hymenoptera and Its Implications for the Evolution of Eusociality. Genome Biology and Evolution, 2015, 7, 2407-2416.	2.5	141
84	Crystal structure of the histone acetyltransferase domain of the human PCAF transcriptional regulator bound to coenzyme A. EMBO Journal, 1999, 18, 3521-3532.	7.8	139
85	Structural Basis for Histone and Phosphohistone Binding by the GCN5 Histone Acetyltransferase. Molecular Cell, 2003, 12, 461-473.	9.7	136
86	Two tandem and independent sub-activation domains in the amino terminus of p53 require the adaptor complex for activity. Oncogene, 1997, 15, 807-816.	5.9	135
87	Inhibition of TATA-Binding Protein Function by SAGA Subunits Spt3 and Spt8 at Gcn4-Activated Promoters. Molecular and Cellular Biology, 2000, 20, 634-647.	2.3	133
88	Phosphorylation of Histone H4 Serine 1 during DNA Damage Requires Casein Kinase II in S. cerevisiae. Current Biology, 2005, 15, 656-660.	3.9	133
89	Acetylation of Yeast AMPK Controls Intrinsic Aging Independently of Caloric Restriction. Cell, 2011, 146, 969-979.	28.9	133
90	A Conserved Motif Present in a Class of Helix-Loop-Helix Proteins Activates Transcription by Direct Recruitment of the SAGA Complex. Molecular Cell, 1999, 4, 63-73.	9.7	128

#	Article	IF	Citations
91	H2B Ubiquitin Protease Ubp8 and Sgf11 Constitute a Discrete Functional Module within the Saccharomyces cerevisiae SAGA Complex. Molecular and Cellular Biology, 2005, 25, 1162-1172.	2.3	126
92	A chromatin link to caste identity in the carpenter ant Camponotus floridanus. Genome Research, 2013, 23, 486-496.	5.5	125
93	Cuticular Hydrocarbon Pheromones for Social Behavior and Their Coding in the Ant Antenna. Cell Reports, 2015, 12, 1261-1271.	6.4	121
94	MLL1 is essential for the senescence-associated secretory phenotype. Genes and Development, 2016, 30, 321-336.	5.9	121
95	Î²-Hydroxybutyrate suppresses colorectal cancer. Nature, 2022, 605, 160-165.	27.8	120
96	Repression of GCN5 Histone Acetyltransferase Activity via Bromodomain-Mediated Binding and Phosphorylation by the Kuâ€“DNA-Dependent Protein Kinase Complex. Molecular and Cellular Biology, 1998, 18, 1349-1358.	2.3	117
97	Structural and Functional Analysis of Yeast Putative Adaptors. Journal of Biological Chemistry, 1996, 271, 5237-5245.	3.4	113
98	Comprehensive analysis of histone post-translational modifications in mouse and human male germ cells. Epigenetics and Chromatin, 2016, 9, 24.	3.9	113
99	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, 11622-11627.	7.1	111
100	Metabolic Signaling to Chromatin. Cold Spring Harbor Perspectives in Biology, 2016, 8, a019463.	5.5	110
101	InÂvivo CD8+ TÂcell CRISPR screening reveals control by Fli1 in infection and cancer. Cell, 2021, 184, 1262-1280.e22.	28.9	107
102	Histone acetyltransferase complexes. Seminars in Cell and Developmental Biology, 1999, 10, 169-177.	5.0	106
103	The SANT Domain of Ada2 Is Required for Normal Acetylation of Histones by the Yeast SAGA Complex. Journal of Biological Chemistry, 2002, 277, 8178-8186.	3.4	106
104	Cloning of Drosophila GCN5: Conserved features among metazoan GCN5 family members. Nucleic Acids Research, 1998, 26, 2948-2954.	14.5	105
105	Absence of Gcn5 HAT Activity Defines a Novel State in the Opening of Chromatin at the PHO5 Promoter in Yeast. Molecular Cell, 1998, 1, 495-505.	9.7	103
106	MYST protein acetyltransferase activity requires active site lysine autoacetylation. EMBO Journal, 2012, 31, 58-70.	7.8	101
107	Differential activation of RNA polymerase III-transcribed genes by the polyomavirus enhancer and the adenovirus E1A gene products. Nucleic Acids Research, 1985, 13, 1413-1428.	14.5	99
108	The Histone Variant H3.3 Regulates Gene Expression during Lytic Infection with Herpes Simplex Virus Type 1. Journal of Virology, 2009, 83, 1416-1421.	3.4	99

#	Article	IF	Citations
109	Acetyl-CoA promotes glioblastoma cell adhesion and migration through Ca²⁺â€“NFAT signaling. Genes and Development, 2018, 32, 497-511.	5.9	97
110	Histone Acetyltransferase p300 Induces De Novo Super-Enhancers to Drive Cellular Senescence. Molecular Cell, 2019, 73, 684-698.e8.	9.7	97
111	An embarrassment of niches: the many covalent modifications of histones in transcriptional regulation. Oncogene, 2001, 20, 3007-3013.	5.9	96
112	Histone modifications: Now summoning sumoylation. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 13118-13120.	7.1	96
113	Trimethylation of Histone H3 Lysine 4 by Set1 in the Lytic Infection of Human Herpes Simplex Virus 1. Journal of Virology, 2006, 80, 5740-5746.	3.4	95
114	TP53 engagement with the genome occurs in distinct local chromatin environments via pioneer factor activity. Genome Research, 2015, 25, 179-188.	5.5	95
115	Specialized odorant receptors in social insects that detect cuticular hydrocarbon cues and candidate pheromones. Nature Communications, 2017, 8, 297.	12.8	95
116	Phosphorylation of histone H4 Ser1 regulates sporulation in yeast and is conserved in fly and mouse spermatogenesis. Genes and Development, 2006, 20, 2580-2592.	5.9	94
117	Systematic screen reveals new functional dynamics of histones H3 and H4 during gametogenesis. Genes and Development, 2010, 24, 1772-1786.	5.9	94
118	Temporal and Spatial Changes in Transcription Factor Binding and Histone Modifications at the Steroidogenic Acute Regulatory Protein (StAR) Locus Associated withStARTranscription. Molecular Endocrinology, 2004, 18, 791-806.	3.7	93
119	LKB1 Is Recruited to the p21/WAF1 Promoter by p53 to Mediate Transcriptional Activation. Cancer Research, 2006, 66, 10701-10708.	0.9	91
120	Histone H3 phosphorylation can promote TBP recruitment through distinct promoter-specific mechanisms. EMBO Journal, 2005, 24, 997-1008.	7.8	89
121	Structure and function of bromodomains in chromatin-regulating complexes. Gene, 2001, 272, 1-9.	2.2	85
122	Functional characterization of odorant receptors in the ponerine ant, Harpegnathos saltator. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 8586-8591.	7.1	84
123	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, 659-668.	11.2	81
124	CDKN2B Loss Promotes Progression from Benign Melanocytic Nevus to Melanoma. Cancer Discovery, 2015, 5, 1072-1085.	9.4	78
125	14-3-3 Interaction with Histone H3 Involves a Dual Modification Pattern of Phosphoacetylation. Molecular and Cellular Biology, 2008, 28, 2840-2849.	2.3	77
126	KMT2D regulates p63 target enhancers to coordinate epithelial homeostasis. Genes and Development, 2018, 32, 181-193.	5.9	77

#	Article	IF	Citations
127	Cutting Edge: Persistently Open Chromatin at Effector Gene Loci in Resting Memory CD8+ T Cells Independent of Transcriptional Status. Journal of Immunology, 2011, 186, 2705-2709.	0.8	74
128	Changes in the Transcriptome of Human Astrocytes Accompanying Oxidative Stress-Induced Senescence. Frontiers in Aging Neuroscience, 2016, 8, 208.	3.4	72
129	Inactivation of Yeast Isw2 Chromatin Remodeling Enzyme Mimics Longevity Effect of Calorie Restriction via Induction of Genotoxic Stress Response. Cell Metabolism, 2014, 19, 952-966.	16.2	69
130	Mitotic Stress Is an Integral Part of the Oncogene-Induced Senescence Program that Promotes Multinucleation and Cell Cycle Arrest. Cell Reports, 2015, 12, 1483-1496.	6.4	67
131	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.	8.8	65
132	Separation of Spermatogenic Cell Types Using STA-PUT Velocity Sedimentation. Journal of Visualized Experiments, 2013, , .	0.3	63
133	TDP-43 Promotes Neurodegeneration by Impairing Chromatin Remodeling. Current Biology, 2017, 27, 3579-3590.e6.	3.9	63
134	Combinatorial genetics in liver repopulation and carcinogenesis with a in vivo CRISPR activation platformâ€. Hepatology, 2018, 68, 663-676.	7.3	63
135	Structure and Dimerization of the Kinase Domain from Yeast Snf1, a Member of the Snf1/AMPK Protein Family. Structure, 2006, 14, 477-485.	3.3	62
136	The SAGA Histone Deubiquitinase Module Controls Yeast Replicative Lifespan via Sir2 Interaction. Cell Reports, 2014, 8, 477-486.	6.4	62
137	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, 718-732.	3.7	61
138	A Novel Human Ada2 Homologue Functions with Gcn5 or Brg1 To Coactivate Transcription. Molecular and Cellular Biology, 2003, 23, 6944-6957.	2.3	59
139	Activation of Chromosomal DNA Replication in Saccharomyces cerevisiae by Acidic Transcriptional Activation Domains. Molecular and Cellular Biology, 1998, 18, 1296-1302.	2.3	57
140	Local or global?. Nature, 2000, 408, 412-415.	27.8	56
141	SIRT1 â€“ a new mammalian substrate of nuclear autophagy. Autophagy, 2021, 17, 593-595.	9.1	56
142	Stable-isotope-labeled Histone Peptide Library for Histone Post-translational Modification and Variant Quantification by Mass Spectrometry. Molecular and Cellular Proteomics, 2014, 13, 2450-2466.	3.8	53
143	Trans-tail histone modifications: wedge or bridge?. Nature Structural Biology, 2002, 9, 565-566.	9.7	49
144	Gcn5-Mediated Histone Acetylation Governs Nucleosome Dynamics in Spermiogenesis. Developmental Cell, 2019, 51, 745-758.e6.	7.0	47

#	Article	IF	Citations
145	Chromatin Goes Global. Molecular Cell, 2001, 8, 263-268.	9.7	46
146	Social reprogramming in ants induces longevity-associated glia remodeling. Science Advances, 2020, 6, eaba9869.	10.3	46
147	Inactivation of the Sas2 histone acetyltransferase delays senescence driven by telomere dysfunction. EMBO Journal, 2010, 29, 158-170.	7.8	45
148	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, 5192-5201.	3.4	44
149	Epigenetic Drugs Can Stimulate Metastasis through Enhanced Expression of the Pro-Metastatic Ezrin Gene. PLoS ONE, 2010, 5, e12710.	2.5	43
150	Histone Methylation Has Dynamics Distinct from Those of Histone Acetylation in Cell Cycle Reentry from Quiescence. Molecular and Cellular Biology, 2014, 34, 3968-3980.	2.3	42
151	H4K44 Acetylation Facilitates Chromatin Accessibility during Meiosis. Cell Reports, 2015, 13, 1772-1780.	6.4	42
152	p53 mediates target gene association with nuclear speckles for amplified RNA expression. Molecular Cell, 2021, 81, 1666-1681.e6.	9.7	41
153	Histone H3 K4 Demethylation during Activation and Attenuation of GAL1 Transcription in Saccharomyces cerevisiae. Molecular and Cellular Biology, 2007, 27, 7856-7864.	2.3	40
154	Mammalian autophagy degrades nuclear constituents in response to tumorigenic stress. Autophagy, 2016, 12, 1416-1417.	9.1	40
155	The interplay between epigenetic changes and the p53 protein in stem cells. Genes and Development, 2017, 31, 1195-1201.	5.9	40
156	The contribution of epigenetic memory to immunologic memory. Current Opinion in Genetics and Development, 2011, 21, 154-159.	3.3	39
157	Characterization of BRD4 during Mammalian Postmeiotic Sperm Development. Molecular and Cellular Biology, 2015, 35, 1433-1448.	2.3	38
158	Histone modification signatures in human sperm distinguish clinical abnormalities. Journal of Assisted Reproduction and Genetics, 2019, 36, 267-275.	2.5	38
159	Lysine methylation represses p53 activity in teratocarcinoma cancer cells. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 9822-9827.	7.1	36
160	p63 establishes epithelial enhancers at critical craniofacial development genes. Science Advances, 2019, 5, eaaw0946.	10.3	36
161	Chemosensory sensitivity reflects reproductive status in the ant Harpegnathos saltator. Scientific Reports, 2017, 7, 3732.	3.3	33
162	Epigenetic Regulator CoREST Controls Social Behavior in Ants. Molecular Cell, 2020, 77, 338-351.e6.	9.7	33

#	Article	IF	Citations
163	TEX15 associates with MILI and silences transposable elements in male germ cells. Genes and Development, 2020, 34, 745-750.	5.9	33
164	Identification and characterization of novel sirtuin inhibitor scaffolds. Bioorganic and Medicinal Chemistry, 2009, 17, 7031-7041.	3.0	32
165	Senescence Elicits Stemness: A Surprising Mechanism for Cancer Relapse. Cell Metabolism, 2018, 27, 710-711.	16.2	32
166	ZMYND8-regulated IRF8 transcription axis is an acute myeloid leukemia dependency. Molecular Cell, 2021, 81, 3604-3622.e10.	9.7	32
167	Genome reprogramming during sporulation. International Journal of Developmental Biology, 2009, 53, 425-432.	0.6	30
168	Enzymatic transfer of acetate on histones from lysine reservoir sites to lysine activating sites. Science Advances, 2022, 8, eabj5688.	10.3	30
169	The Linker Histone Plays a Dual Role during Gametogenesis in Saccharomyces cerevisiae. Molecular and Cellular Biology, 2012, 32, 2771-2783.	2.3	28
170	Humanized H19/Igf2 locus reveals diverged imprinting mechanism between mouse and human and reflects Silverâ€“Russell syndrome phenotypes. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 10938-10943.	7.1	28
171	Sumoylation of the Yeast Gcn5 Proteinâ€. Biochemistry, 2006, 45, 1035-1042.	2.5	27
172	H2B ubiquitylation is part of chromatin architecture that marks exon-intron structure in budding yeast. BMC Genomics, 2011, 12, 627.	2.8	27
173	A rare DNA contact mutation in cancer confers p53 gainâ€ofâ€function and tumor cell survival via TNFAIP8 induction. Molecular Oncology, 2016, 10, 1207-1220.	4.6	27
174	Kr-h1 maintains distinct caste-specific neurotranscriptomes in response to socially regulated hormones. Cell, 2021, 184, 5807-5823.e14.	28.9	27
175	A Feed-Forward Repression Mechanism Anchors the Sin3/Histone Deacetylase and N-CoR/SMRT Corepressors on Chromatin. Molecular and Cellular Biology, 2006, 26, 5226-5236.	2.3	26
176	Keeping p53 in Check: A High-Stakes Balancing Act. Cell, 2010, 142, 17-19.	28.9	26
177	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. Journal of Virology, 1998, 72, 1252-1261.	3.4	26
178	Chromatin dynamics during herpes simplex virus-1 lytic infection. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2010, 1799, 223-227.	1.9	25
179	Histone H4 Lysine 20 of Saccharomyces cerevisiae Is Monomethylated and Functions in Subtelomeric Silencing. Biochemistry, 2011, 50, 10473-10483.	2.5	24
180	eRNA binding produces tailored CBP activity profiles to regulate gene expression. RNA Biology, 2017, 14, 1655-1659.	3.1	23

#	Article	IF	Citations
181	Interplay between Chromatin Modifying and Remodeling Complexes in Transcriptional Regulation. Critical Reviews in Eukaryotic Gene Expression, 1999, 9, 221-230.	0.9	22
182	Gcn5p-dependent acetylation induces degradation of the meiotic transcriptional repressor Ume6p. Molecular Biology of the Cell, 2012, 23, 1609-1617.	2.1	21
183	Development of Organometallic S6K1 Inhibitors. Journal of Medicinal Chemistry, 2015, 58, 305-314.	6.4	20
184	The biochemical and genetic discovery of the SAGA complex. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2021, 1864, 194669.	1.9	20
185	Out of the jaws of death: PRMT5 steers p53. Nature Cell Biology, 2008, 10, 1389-1390.	10.3	19
186	Genome-wide mapping of histone H4 serine-1 phosphorylation during sporulation in Saccharomyces cerevisiae. Nucleic Acids Research, 2010, 38, 4599-4606.	14.5	19
187	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, 718-732.	3.7	19
188	ADAR1 downregulation by autophagy drives senescence independently of RNA editing by enhancing p16INK4a levels. Nature Cell Biology, 2022, 24, 1202-1210.	10.3	19
189	Histone Modification Patterns During Gene Activation. Methods in Enzymology, 2003, 377, 130-153.	1.0	18
190	Genome-Wide Epigenetics. Journal of Investigative Dermatology, 2013, 133, 1-4.	0.7	18
191	Food for thought. Science, 2020, 370, 660-662.	12.6	18
192	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, 9909-9917.	3.4	17
193	Histone H2B Ubiquitylation and Deubiquitylation in Genomic Regulation. Cold Spring Harbor Symposia on Quantitative Biology, 2004, 69, 289-300.	1.1	16
194	Cell Signaling and Transcriptional Regulation via Histone Phosphorylation. Cold Spring Harbor Symposia on Quantitative Biology, 2010, 75, 23-26.	1.1	14
195	H2B Ubiquitylation and De-Ubiquitylation in Gene Activation. Novartis Foundation Symposium, 2008, , 63-77.	1.1	13
196	The Sustained Impact of Model Organismsâ€"in Genetics and Epigenetics. Genetics, 2017, 205, 1-4.	2.9	13
197	Antennal Olfactory Physiology and Behavior of Males of the Ponerine Ant Harpegnathos saltator. Journal of Chemical Ecology, 2018, 44, 999-1007.	1.8	13
198	EBF1 nuclear repositioning instructs chromatin refolding to promote therapy resistance in T leukemic cells. Molecular Cell, 2022, 82, 1003-1020.e15.	9.7	13

#	Article	IF	Citations
199	A genetic and molecular toolbox for analyzing histone ubiquitylation and sumoylation in yeast. Methods, 2011, 54, 296-303.	3.8	12
200	Low-hanging fruit: targeting Brdt in the testes. EMBO Journal, 2012, 31, 3788-3789.	7.8	11
201	Comparison of genotoxic versus nongenotoxic stabilization of p53 provides insight into parallel stress-responsive transcriptional networks. Cell Cycle, 2019, 18, 809-823.	2.6	11
202	Hit and Run: Transient Deubiquitylase Activity in a Chromatin-Remodeling Complex. Molecular Cell, 2008, 31, 773-774.	9.7	10
203	The acidic transcriptional activation domains of herpes virus VP16 and yeast HAP4 have different co-factor requirements. Gene, 1995, 158, 163-170.	2.2	9
204	The Human Transcriptional Adaptor GenesTADA2LandGCN5L2Colocalize to Chromosome 17q12â€“q21 and Display a Similar Tissue Expression Pattern. Genomics, 1997, 40, 497-500.	2.9	9
205	Transgenerational Inheritance of Longevity: Epigenetic Mysteries Abound. Cell Metabolism, 2012, 15, 6-7.	16.2	8
206	Tramtrack acts during late pupal development to direct ant caste identity. PLoS Genetics, 2021, 17, e1009801.	3.5	8
207	Good Fences Make Good Neighbors. Molecular Cell, 2004, 16, 500-502.	9.7	7
208	Production and cleavage ofDrosophila hsp70transcripts extending beyond the polyadenylation site. Nucleic Acids Research, 1994, 22, 3218-3225.	14.5	6
209	Systematic genetic and proteomic screens during gametogenesis identify H2BK34 methylation as an evolutionary conserved meiotic mark. Epigenetics and Chromatin, 2020, 13, 35.	3.9	6
210	A Chromatin-Focused siRNA Screen for Regulators of p53-Dependent Transcription. G3: Genes, Genomes, Genetics, 2016, 6, 2671-2678.	1.8	4
211	Exploring the Dynamic Relationship Between Cellular Metabolism and Chromatin Structure Using SILAC-Mass Spec and ChIP-Sequencing. Methods in Enzymology, 2016, 574, 311-329.	1.0	3
212	Genetics Meets Epigenetics in Treg Cells and Autoimmunity. Immunity, 2020, 52, 897-899.	14.3	3
213	Analysis of activity and regulation of hGcn5, a human histone acetyltransferase. Methods in Enzymology, 1999, 304, 696-715.	1.0	1
214	RNA modification to the rescue!. Cell Host and Microbe, 2021, 29, 313-315.	11.0	0
215	Factor and histone covalent modifications in genome regulation. FASEB Journal, 2006, 20, A850.	0.5	0
216	Histone H4 lysineâ€16 acetylation regulates cellular lifespan. FASEB Journal, 2010, 24, 662.2.	0.5	0

#	Article	IF	Citations
217	Yeast Aging Proteome Unveiled a Novel Aging Regulation Pathway Mediated by the Chromatin Remodeling Complex ISW2. FASEB Journal, 2012, 26, 965.2.	0.5	0
218	Inhibition of Isw2â€mediated chromatin remodeling by calorie restriction extends lifespan by potentiating stress response. FASEB Journal, 2013, 27, 796.1.	0.5	0