

Sharon Y R Dent

List of Publications by Year in descending order

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121
papers

15,030
citations

28190

55
h-index

21474

114
g-index

126
all docs

126
docs citations

126
times ranked

16635
citing authors

#	ARTICLE	IF	CITATIONS
1	Histone Acetyltransferases. Annual Review of Biochemistry, 2001, 70, 81-120.	5.0	1,751
2	Tetrahymena Histone Acetyltransferase A: A Homolog to Yeast Gcn5p Linking Histone Acetylation to Gene Activation. Cell, 1996, 84, 843-851.	13.5	1,465
3	New Nomenclature for Chromatin-Modifying Enzymes. Cell, 2007, 131, 633-636.	13.5	849
4	Distinct roles of GCN5/PCAF-mediated H3K9ac and CBP/p300-mediated H3K18/27ac in nuclear receptor transactivation. EMBO Journal, 2011, 30, 249-262.	3.5	655
5	HDAC6 Modulates Cell Motility by Altering the Acetylation Level of Cortactin. Molecular Cell, 2007, 27, 197-213.	4.5	626
6	Chromatin modifiers and remodellers: regulators of cellular differentiation. Nature Reviews Genetics, 2014, 15, 93-106.	7.7	566
7	Transcription-linked acetylation by Gcn5p of histones H3 and H4 at specific lysines. Nature, 1996, 383, 269-272.	13.7	563
8	Histone H3 lysine 4 methylation is mediated by Set1 and required for cell growth and rDNA silencing in Saccharomyces cerevisiae. Genes and Development, 2001, 15, 3286-3295.	2.7	536
9	Cross-regulation of histone modifications. Nature Structural and Molecular Biology, 2007, 14, 1017-1024.	3.6	354
10	Histone acetyltransferases: function, structure, and catalysis. Current Opinion in Genetics and Development, 2001, 11, 155-161.	1.5	351
11	DANPOS: Dynamic analysis of nucleosome position and occupancy by sequencing. Genome Research, 2013, 23, 341-351.	2.4	331
12	AF9 YEATS Domain Links Histone Acetylation to DOT1L-Mediated H3K79 Methylation. Cell, 2014, 159, 558-571.	13.5	311
13	Essential and redundant functions of histone acetylation revealed by mutation of target lysines and loss of the Gcn5p acetyltransferase. EMBO Journal, 1998, 17, 3155-3167.	3.5	292
14	Histone Acetylation and Chromatin Assembly: A Single Escort, Multiple Dances?. Cell, 1996, 87, 5-8.	13.5	252
15	Chromatin condensation: does histone H1 dephosphorylation play a role?. Trends in Biochemical Sciences, 1992, 17, 93-98.	3.7	232
16	Loss of Gcn5l2 leads to increased apoptosis and mesodermal defects during mouse development. Nature Genetics, 2000, 26, 229-232.	9.4	231
17	Multiple faces of the SAGA complex. Current Opinion in Cell Biology, 2010, 22, 374-382.	2.6	225
18	The HP1-CAF1-SetDB1-containing complex provides H3K9me1 for Suv39-mediated K9me3 in pericentric heterochromatin. EMBO Reports, 2009, 10, 769-775.	2.0	201

#	ARTICLE	IF	CITATIONS
19	Chromatin Prepattern and Histone Modifiers in a Fate Choice for Liver and Pancreas. <i>Science</i> , 2011, 332, 963-966.	6.0	186
20	R loops stimulate genetic instability of CTG/CAG repeats. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 692-697.	3.3	172
21	Gcn5 and SAGA Regulate Shelterin Protein Turnover and Telomere Maintenance. <i>Molecular Cell</i> , 2009, 35, 352-364.	4.5	156
22	Ssn6-Tup1 interacts with class I histone deacetylases required for repression. <i>Genes and Development</i> , 2000, 14, 2737-2744.	2.7	150
23	Regulation of the osteoblast-specific transcription factor Osterix by NO66, a Jumonji family histone demethylase. <i>EMBO Journal</i> , 2010, 29, 68-79.	3.5	143
24	Histone modifying enzymes and cancer: Going beyond histones. <i>Journal of Cellular Biochemistry</i> , 2005, 96, 1137-1148.	1.2	139
25	The Growth Suppressor PML Represses Transcription by Functionally and Physically Interacting with Histone Deacetylases. <i>Molecular and Cellular Biology</i> , 2001, 21, 2259-2268.	1.1	138
26	Enhancer transcription reveals subtype-specific gene expression programs controlling breast cancer pathogenesis. <i>Genome Research</i> , 2018, 28, 159-170.	2.4	137
27	The Set1 Methyltransferase Opposes Ipl1 Aurora Kinase Functions in Chromosome Segregation. <i>Cell</i> , 2005, 122, 723-734.	13.5	135
28	Transcriptional repression by Tup1/Ssn6 This paper is one of a selection of papers published in this Special Issue, entitled 27th International West Coast Chromatin and Chromosome Conference, and has undergone the Journal's usual peer review process.. <i>Biochemistry and Cell Biology</i> , 2006, 84, 437-443.	0.9	124
29	USP22 regulates cell proliferation by deubiquitinating the transcriptional regulator FBP1. <i>EMBO Reports</i> , 2011, 12, 924-930.	2.0	120
30	c-Myc Transformation Domain Recruits the Human STAGA Complex and Requires TRRAP and GCN5 Acetylase Activity for Transcription Activation. <i>Journal of Biological Chemistry</i> , 2003, 278, 20405-20412.	1.6	118
31	Loss of Gcn5 Acetyltransferase Activity Leads to Neural Tube Closure Defects and Exencephaly in Mouse Embryos. <i>Molecular and Cellular Biology</i> , 2007, 27, 3405-3416.	1.1	118
32	Functions of SAGA in development and disease. <i>Epigenomics</i> , 2014, 6, 329-339.	1.0	110
33	ATXN7L3 and ENY2 Coordinate Activity of Multiple H2B Deubiquitinases Important for Cellular Proliferation and Tumor Growth. <i>Molecular Cell</i> , 2016, 62, 558-571.	4.5	106
34	KATs in cancer: functions and therapies. <i>Oncogene</i> , 2015, 34, 4901-4913.	2.6	102
35	YEATS2 links histone acetylation to tumorigenesis of non-small cell lung cancer. <i>Nature Communications</i> , 2017, 8, 1088.	5.8	102
36	Site-specific Loss of Acetylation upon Phosphorylation of Histone H3. <i>Journal of Biological Chemistry</i> , 2002, 277, 29496-29502.	1.6	98

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37	Tup1-Ssn6 Interacts with Multiple Class I Histone Deacetylases in Vivo. <i>Journal of Biological Chemistry</i> , 2003, 278, 50158-50162.	1.6	97
38	Chromatin-mediated transcription repression in yeast. <i>Current Opinion in Genetics and Development</i> , 1995, 5, 168-173.	1.5	95
39	Functions of histone-modifying enzymes in development. <i>Current Opinion in Genetics and Development</i> , 2006, 16, 137-142.	1.5	91
40	Histone-modifying enzymes: regulators of developmental decisions and drivers of human disease. <i>Epigenomics</i> , 2012, 4, 163-177.	1.0	89
41	Excision of Expanded GAA Repeats Alleviates the Molecular Phenotype of Friedreich's Ataxia. <i>Molecular Therapy</i> , 2015, 23, 1055-1065.	3.7	79
42	Long intronic GAA repeats induce epigenetic changes and reporter gene silencing in a molecular model of Friedreich ataxia. <i>Nucleic Acids Research</i> , 2008, 36, 6056-6065.	6.5	75
43	Myc and SAGA rewire an alternative splicing network during early somatic cell reprogramming. <i>Genes and Development</i> , 2015, 29, 803-816.	2.7	73
44	Glucagon regulates gluconeogenesis through KAT2B- and WDR5-mediated epigenetic effects. <i>Journal of Clinical Investigation</i> , 2013, 123, 4318-4328.	3.9	73
45	TGF β 2-Activated USP27X Deubiquitinase Regulates Cell Migration and Chemoresistance via Stabilization of Snail1. <i>Cancer Research</i> , 2019, 79, 33-46.	0.4	70
46	Hyperexpansion of GAA repeats affects post-initiation steps of FXN transcription in Friedreich's ataxia. <i>Nucleic Acids Research</i> , 2011, 39, 8366-8377.	6.5	68
47	Histone-Dependent Association of Tup1-Ssn6 with Repressed Genes In Vivo. <i>Molecular and Cellular Biology</i> , 2002, 22, 693-703.	1.1	66
48	Reactivation of the silenced and imprinted alleles of ARHI is associated with increased histone H3 acetylation and decreased histone H3 lysine 9 methylation. <i>Human Molecular Genetics</i> , 2003, 12, 1791-1800.	1.4	64
49	The role of deubiquitinating enzymes in chromatin regulation. <i>FEBS Letters</i> , 2011, 585, 2016-2023.	1.3	62
50	Chromatin: Receiver and Quarterback for Cellular Signals. <i>Cell</i> , 2013, 152, 685-689.	13.5	62
51	Lysine acetyltransferase 2a regulates a hippocampal gene expression network linked to memory formation. <i>EMBO Journal</i> , 2014, 33, 1912-1927.	3.5	62
52	Histone modification profiling in breast cancer cell lines highlights commonalities and differences among subtypes. <i>BMC Genomics</i> , 2018, 19, 150.	1.2	62
53	Unequal Access. <i>Cell</i> , 2000, 103, 699-702.	13.5	59
54	Proper expression of the Gcn5 histone acetyltransferase is required for neural tube closure in mouse embryos. <i>Developmental Dynamics</i> , 2008, 237, 928-940.	0.8	58

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55	Chromatin Signaling to Kinetochores: Transregulation of Dam1 Methylation by Histone H2B Ubiquitination. <i>Cell</i> , 2011, 146, 709-719.	13.5	58
56	Gcn5 and PCAF Regulate <i>PPARγ</i> and <i>Prdm16</i> Expression To Facilitate Brown Adipogenesis. <i>Molecular and Cellular Biology</i> , 2014, 34, 3746-3753.	1.1	58
57	Developmental potential of Gcn5 ^{-/-} embryonic stem cells in vivo and in vitro. <i>Developmental Dynamics</i> , 2007, 236, 1547-1557.	0.8	55
58	REV7 is essential for DNA damage tolerance via two REV3L binding sites in mammalian DNA polymerase η . <i>Nucleic Acids Research</i> , 2015, 43, 1000-1011.	6.5	55
59	N-Myc and GCN5 Regulate Significantly Overlapping Transcriptional Programs in Neural Stem Cells. <i>PLoS ONE</i> , 2012, 7, e39456.	1.1	55
60	Resetting the histone code at CDKN2A in HNSCC by inhibition of DNA methylation. <i>Oncogene</i> , 2003, 22, 8902-8911.	2.6	53
61	Gcn5 loss-of-function accelerates cerebellar and retinal degeneration in a SCA7 mouse model. <i>Human Molecular Genetics</i> , 2012, 21, 394-405.	1.4	49
62	TRIM28 interacts with EZH2 and SWI/SNF to activate genes that promote mammosphere formation. <i>Oncogene</i> , 2017, 36, 2991-3001.	2.6	48
63	Recruitment of the Yeast Tup1p-Ssn6p Repressor Is Associated with Localized Decreases in Histone Acetylation. <i>Journal of Biological Chemistry</i> , 2001, 276, 1808-1813.	1.6	44
64	Reelin is a target of polyglutamine expanded ataxin-7 in human spinocerebellar ataxia type 7 (SCA7) astrocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 21319-21324.	3.3	42
65	USP44 Is an Integral Component of N-CoR that Contributes to Gene Repression by Deubiquitinating Histone H2B. <i>Cell Reports</i> , 2016, 17, 2382-2393.	2.9	41
66	The role of chromatin modifiers in normal and malignant hematopoiesis. <i>Blood</i> , 2013, 121, 3076-3084.	0.6	39
67	Global alterations in chromatin accessibility associated with loss of SIN4 function. <i>Nucleic Acids Research</i> , 1997, 25, 1240-1247.	6.5	38
68	Ubp8 and SAGA Regulate Snf1 AMP Kinase Activity. <i>Molecular and Cellular Biology</i> , 2011, 31, 3126-3135.	1.1	36
69	Leucine-rich repeat containing 8A (LRRC8A) α dependent volume-regulated anion channel activity is dispensable for T-cell development and function. <i>Journal of Allergy and Clinical Immunology</i> , 2017, 140, 1651-1659.e1.	1.5	36
70	GCN5 and p300 share essential functions during early embryogenesis. <i>Developmental Dynamics</i> , 2005, 233, 1337-1347.	0.8	34
71	Stabilization of the promoter nucleosomes in nucleosome-free regions by the yeast Cyc8 α Tup1 corepressor. <i>Genome Research</i> , 2013, 23, 312-322.	2.4	33
72	The Histone Acetyltransferase Gcn5 Positively Regulates T Cell Activation. <i>Journal of Immunology</i> , 2017, 198, 3927-3938.	0.4	32

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73	Transcriptional Control: An Activating Role for Arginine Methylation. <i>Current Biology</i> , 2002, 12, R59-R61.	1.8	31
74	Gcn5 and <sc>PCAF</sc> negatively regulate interferon α 2 production through <sc>HAT</sc>-independent inhibition of <sc>TBK</sc>. <i>EMBO Reports</i> , 2014, 15, 1192-1201.	2.0	31
75	Poly(Q) Expansions in ATXN7 Affect Solubility but Not Activity of the SAGA Deubiquitinating Module. <i>Molecular and Cellular Biology</i> , 2015, 35, 1777-1787.	1.1	31
76	DNA-protein interactions at the <i>S.cerevisiae</i> \pm 2 operator in vivo. <i>Nucleic Acids Research</i> , 1993, 21, 3295-3300.	6.5	30
77	The Lysine Acetyltransferase GCN5 Is Required for iNKT Cell Development through EGR2 Acetylation. <i>Cell Reports</i> , 2017, 20, 600-612.	2.9	30
78	Usp22 controls multiple signaling pathways that are essential for vasculature formation in the mouse placenta. <i>Development (Cambridge)</i> , 2019, 146, .	1.2	30
79	Deficient LRRC8A-dependent volume-regulated anion channel activity is associated with male infertility in mice. <i>JCI Insight</i> , 2018, 3, .	2.3	29
80	Now open: Evolving insights to the roles of lysine acetylation in chromatin organization and function. <i>Molecular Cell</i> , 2022, 82, 716-727.	4.5	29
81	Proper Gcn5 histone acetyltransferase expression is required for normal anteroposterior patterning of the mouse skeleton. <i>Development Growth and Differentiation</i> , 2008, 50, 321-330.	0.6	28
82	GCN5 Regulates FGF Signaling and Activates Selective MYC Target Genes during Early Embryoid Body Differentiation. <i>Stem Cell Reports</i> , 2018, 10, 287-299.	2.3	27
83	Cross-talk between chromatin acetylation and SUMOylation of tripartite motif α 2-containing protein 24 (TRIM24) impacts cell adhesion. <i>Journal of Biological Chemistry</i> , 2018, 293, 7476-7485.	1.6	27
84	Protein-arginine Methyltransferase 1 (PRMT1) Methylates Ash2L, a Shared Component of Mammalian Histone H3K4 Methyltransferase Complexes. <i>Journal of Biological Chemistry</i> , 2011, 286, 12234-12244.	1.6	25
85	The complete amino acid sequence of an HMG-like protein isolated from the macronucleus of <i>Tetrahymena</i> . <i>Nucleic Acids Research</i> , 1987, 15, 8112-8112.	6.5	24
86	Low expression of ASH2L protein correlates with a favorable outcome in acute myeloid leukemia. <i>Leukemia and Lymphoma</i> , 2017, 58, 1207-1218.	0.6	24
87	Complex functions of Gcn5 and Pcaf in development and disease. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2021, 1864, 194609.	0.9	23
88	Increased Susceptibility to Skin Carcinogenesis Associated with a Spontaneous Mouse Mutation in the Palmitoyl Transferase <i>Zdhc13</i> Gene. <i>Journal of Investigative Dermatology</i> , 2015, 135, 3133-3143.	0.3	22
89	GCN5 HAT inhibition reduces human Burkitt lymphoma cell survival through reduction of MYC target gene expression and impeding BCR signaling pathways. <i>Oncotarget</i> , 2019, 10, 5847-5858.	0.8	22
90	Histone H3K4 methylation regulates deactivation of the spindle assembly checkpoint through direct binding of Mad2. <i>Genes and Development</i> , 2016, 30, 1187-1197.	2.7	21

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91	Transcriptional Activation of MYC-Induced Genes by GCN5 Promotes B-cell Lymphomagenesis. <i>Cancer Research</i> , 2020, 80, 5543-5553.	0.4	21
92	The subunit-exchange model of histone acetylation. <i>Trends in Cell Biology</i> , 1996, 6, 371-375.	3.6	20
93	Diencephalic Size Is Restricted by a Novel Interplay Between GCN5 Acetyltransferase Activity and Retinoic Acid Signaling. <i>Journal of Neuroscience</i> , 2017, 37, 2565-2579.	1.7	19
94	Something about silencing. <i>Nature Genetics</i> , 1996, 14, 3-4.	9.4	18
95	KATapulting toward Pluripotency and Cancer. <i>Journal of Molecular Biology</i> , 2017, 429, 1958-1977.	2.0	18
96	Expanded complexity of unstable repeat diseases. <i>BioFactors</i> , 2013, 39, 164-175.	2.6	17
97	Targeting the SAGA and ATAC Transcriptional Coactivator Complexes in MYC-Driven Cancers. <i>Cancer Research</i> , 2020, 80, 1905-1911.	0.4	17
98	Cytoplasmic ATXN7L3B Interferes with Nuclear Functions of the SAGA Deubiquitinase Module. <i>Molecular and Cellular Biology</i> , 2016, 36, 2855-2866.	1.1	16
99	Mutagenicity of the non-carcinogenic dibenzyl nitrosamine and an alpha-acetoxy derivative. <i>Cancer Letters</i> , 1979, 6, 83-87.	3.2	15
100	Histone Modifications in Corepressor Functions. <i>Current Topics in Developmental Biology</i> , 2004, 59, 145-163.	1.0	14
101	A Two-Way Street: LSD1 Regulates Chromatin Boundary Formation in <i>S. pombe</i> and <i>Drosophila</i> . <i>Molecular Cell</i> , 2007, 26, 160-162.	4.5	13
102	Chromatin 'resetting' during transcription elongation: a central role for methylated H3K36. <i>Nature Structural and Molecular Biology</i> , 2012, 19, 863-864.	3.6	13
103	Conservation and diversity of the eukaryotic SAGA coactivator complex across kingdoms. <i>Epigenetics and Chromatin</i> , 2021, 14, 26.	1.8	12
104	Repression of GCN5 expression or activity attenuates c-MYC expression in non-small cell lung cancer. <i>American Journal of Cancer Research</i> , 2019, 9, 1830-1845.	1.4	11
105	Physical and Functional Interaction of the Yeast Corepressor Tup1 with mRNA 5'â€²-Triphosphatase. <i>Journal of Biological Chemistry</i> , 2003, 278, 18895-18901.	1.6	10
106	Tousled-mediated Activation of Aurora B Kinase Does Not Require Tousled Kinase Activity in Vivo. <i>Journal of Biological Chemistry</i> , 2008, 283, 12763-12768.	1.6	10
107	Complementary Roles of GCN5 and PCAF in Foxp3+ T-Regulatory Cells. <i>Cancers</i> , 2019, 11, 554.	1.7	9
108	The lasting influence of LSD1 in the blood. <i>ELife</i> , 2013, 2, e00963.	2.8	9

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109	No Spt6, No Nucleosomes, No Activator Required. <i>Molecular Cell</i> , 2006, 21, 452-453.	4.5	8
110	Selecting and Isolating Colonies of Human Induced Pluripotent Stem Cells Reprogrammed from Adult Fibroblasts. <i>Journal of Visualized Experiments</i> , 2012, , .	0.2	8
111	The Set2 methyltransferase associates with Ssn6 yet Tup1-Ssn6 repression is independent of histone methylation. <i>Biochemical and Biophysical Research Communications</i> , 2006, 339, 905-914.	1.0	5
112	Usp22 Overexpression Leads to Aberrant Signal Transduction of Cancer-Related Pathways but Is Not Sufficient to Drive Tumor Formation in Mice. <i>Cancers</i> , 2021, 13, 4276.	1.7	4
113	Naked (N) mutant mice carry a nonsense mutation in the homeobox of <i>Hoxc13</i> . <i>Experimental Dermatology</i> , 2022, 31, 330-340.	1.4	1
114	Navigating EMT with COMPASS and PRC2. <i>Nature Cell Biology</i> , 2022, 24, 412-414.	4.6	1
115	Histone Acetyltransferases in Development. , 2004, , 105-113.		0
116	The H2BK123Rgment. <i>Journal of Cell Biology</i> , 2009, 186, 313-315.	2.3	0
117	Abstract IA07: New functions for histone modifying enzymes. , 2013, , .		0
118	Abstract SY24-01: A SAGA of GCN5 and USP22 in stem cells and cancer. , 2014, , .		0
119	Abstract PR06: Analysis of enhancer transcription reveals novel gene regulatory networks in breast cancer. , 2016, , .		0
120	Abstract 363: Role of the SAGA histone acetylation module in lung cancer. , 2018, , .		0
121	Abstract 4333: GCN5 positively correlates with c-MYC in non-small cell lung cancer. , 2019, , .		0