James R Davie

List of Publications by Citations

190 papers	13,993 citations	54 h-index	116 g-index
193 ext. papers	15,079 ext. citations	5.9 avg, IF	6.48 L-index

#	Paper	IF	Citations
190	Histone H4-K16 acetylation controls chromatin structure and protein interactions. *Science*, **2006**, 311, 844-7	33.3	1616
189	A complex containing N-CoR, mSin3 and histone deacetylase mediates transcriptional repression. *Nature*, **1997**, 387, 43-8	50.4	1109
188	Histone deacetylases associated with the mSin3 corepressor mediate mad transcriptional repression. *Cell*, **1997**, 89, 349-56	56.2	856
187	Inhibition of histone deacetylase activity by butyrate. *Journal of Nutrition*, **2003**, 133, 2485S-2493S	4.1	841
186	ETO, a target of t(8;21) in acute leukemia, interacts with the N-CoR and mSin3 corepressors. *Molecular and Cellular Biology*, **1998**, 18, 7176-84	4.8	381
185	Isolation and characterization of cDNAs corresponding to an additional member of the human histone deacetylase gene family. *Journal of Biological Chemistry*, **1997**, 272, 28001-7	5.4	364
184	Regulation of neuronal traits by a novel transcriptional complex. *Neuron*, **2001**, 31, 353-65	13.9	361
183	Gene regulation by Sp1 and Sp3. *Biochemistry and Cell Biology*, **2004**, 82, 460-71	3.6	345
182	Roles of histone deacetylases in epigenetic regulation: emerging paradigms from studies with inhibitors. *Clinical Epigenetics*, **2012**, 4, 5	7.7	315
181	The human factors YY1 and LSF repress the human immunodeficiency virus type 1 long terminal repeat via recruitment of histone deacetylase 1. *Journal of Virology*, **2000**, 74, 6790-9	6.6	291
180	Role of covalent modifications of histones in regulating gene expression. *Gene*, **1999**, 240, 1-12	3.8	256
179	Epigenetic control. *Journal of Cellular Physiology*, **2009**, 219, 243-50	7	253
178	The role of Sp1 and Sp3 in normal and cancer cell biology. *Annals of Anatomy*, **2010**, 192, 275-83	2.9	241
177	Increased Ser-10 phosphorylation of histone H3 in mitogen-stimulated and oncogene-transformed mouse fibroblasts. *Journal of Biological Chemistry*, **1999**, 274, 24914-20	5.4	230
176	Direct visualization of the human estrogen receptor alpha reveals a role for ligand in the nuclear distribution of the receptor. *Molecular Biology of the Cell*, **1999**, 10, 471-86	3.5	222
175	The Ras-MAPK signal transduction pathway, cancer and chromatin remodeling. *Biochemistry and Cell Biology*, **2005**, 83, 1-14	3.6	189
174	SAP30, a component of the mSin3 corepressor complex involved in N-CoR-mediated repression by specific transcription factors. *Molecular Cell*, **1998**, 2, 33-42	17.6	181

173	Covalent modifications of histones: expression from chromatin templates. *Current Opinion in Genetics and Development*, **1998**, 8, 173-8	4.9	176
172	Rapid deubiquitination of nucleosomal histones in human tumor cells caused by proteasome inhibitors and stress response inducers: effects on replication, transcription, translation, and the cellular stress response. *Biochemistry*, **1997**, 36, 14418-29	3.2	151
171	Chromatin immunoprecipitation: a tool for studying histone acetylation and transcription factor binding. *Methods*, **2003**, 31, 67-75	4.6	139
170	Level of ubiquitinated histone H2B in chromatin is coupled to ongoing transcription. *Biochemistry*, **1990**, 29, 4752-7	3.2	138
169	Ubiquitinated histone H2B is preferentially located in transcriptionally active chromatin. *Biochemistry*, **1989**, 28, 958-63	3.2	133
168	Promoter chromatin remodeling of immediate-early genes is mediated through H3 phosphorylation at either serine 28 or 10 by the MSK1 multi-protein complex. *Nucleic Acids Research*, **2010**, 38, 3196-208	20.1	115
167	Ubiquitination of histone H3 in elongating spermatids of rat testes. *Journal of Biological Chemistry*, **1998**, 273, 13165-9	5.4	110
166	Control of histone modifications. *Journal of Cellular Biochemistry*, **1999**, Suppl 32-33, 141-8	4.7	105
165	Activation and function of immediate-early genes in the nervous system. *Biochemistry and Cell Biology*, **2011**, 89, 61-73	3.6	94
164	Increased phosphorylation of histone H1 in mouse fibroblasts transformed with oncogenes or constitutively active mitogen-activated protein kinase kinase. *Journal of Biological Chemistry*, **1995**, 270, 20098-105	5.4	91
163	DNA modifications: function and applications in normal and disease States. *Biology*, **2014**, 3, 670-723	4.9	89
162	Histone acetylation is required to maintain the unfolded nucleosome structure associated with transcribing DNA. *Journal of Biological Chemistry*, **1998**, 273, 14516-22	5.4	87
161	H3 phosphorylation: dual role in mitosis and interphase. *Biochemistry and Cell Biology*, **2009**, 87, 695-709	3.6	86
160	Tamoxifen-bound estrogen receptor (ER) strongly interacts with the nuclear matrix protein HET/SAF-B, a novel inhibitor of ER-mediated transactivation. *Molecular Endocrinology*, **2000**, 14, 369-81		85
159	Ser-10 phosphorylation of histone H3 and immediate early gene expression in oncogene-transformed mouse fibroblasts. *Cancer Research*, **2002**, 62, 75-8	10.1	84
158	Novel nuclear matrix protein HET binds to and influences activity of the HSP27 promoter in human breast cancer cells. *Journal of Cellular Biochemistry*, **1997**, 67, 275-286	4.7	83
157	Competitive inhibition of histone deacetylase activity by trichostatin A and butyrate. *Biochemistry and Cell Biology*, **2007**, 85, 751-8	3.6	83
156	Rapid induction of histone hyperacetylation and cellular differentiation in human breast tumor cell lines following degradation of histone deacetylase-1. *Journal of Biological Chemistry*, **2000**, 275, 35256-63	5.4	80

155	Structure of polyubiquitinated histone H2A. *Biochemistry*, **1989**, 28, 964-8	3.2	76
154	Nuclear matrix, dynamic histone acetylation and transcriptionally active chromatin. *Molecular Biology Reports*, **1997**, 24, 197-207	2.8	74
153	Regulation and regulatory parameters of histone modifications. *Journal of Cellular Biochemistry*, **1998**, 72 Suppl 30-31, 203-213	4.7	74
152	The insulator binding protein CTCF associates with the nuclear matrix. *Experimental Cell Research*, **2003**, 288, 218-23	4.2	74
151	Phosphorylation of histones by tissue transglutaminase. *Journal of Biological Chemistry*, **2006**, 281, 5532-8	5.4	72
150	Multiple functions of dynamic histone acetylation. *Journal of Cellular Biochemistry*, **1994**, 55, 98-105	4.7	72
149	Immediate early response genes and cell transformation. *Pharmacology & Therapeutics*, **2013**, 137, 64-77	13.9	70
148	The transcriptional repressor Sp3 is associated with CK2-phosphorylated histone deacetylase 2. *Journal of Biological Chemistry*, **2002**, 277, 35783-6	5.4	69
147	Drosophila C-terminal binding protein functions as a context-dependent transcriptional co-factor and interferes with both mad and groucho transcriptional repression. *Journal of Biological Chemistry*, **2000**, 275, 37628-37	5.4	69
146	Nuclear organization and chromatin dynamics--Sp1, Sp3 and histone deacetylases. *Advances in Enzyme Regulation*, **2008**, 48, 189-208		65
145	Stimulation of the Ras-MAPK pathway leads to independent phosphorylation of histone H3 on serine 10 and 28. *Oncogene*, **2005**, 24, 3492-502	9.2	65
144	Estrogen receptor-alpha phosphorylated at Ser118 is present at the promoters of estrogen-regulated genes and is not altered due to HER-2 overexpression. *Cancer Research*, **2006**, 66, 10162-70	10.1	62
143	Transcriptional silencing of the death gene BNIP3 by cooperative action of NF-kappaB and histone deacetylase 1 in ventricular myocytes. *Circulation Research*, **2006**, 99, 1347-54	15.7	61
142	The many roles of the transcriptional regulator CTCF. *Biochemistry and Cell Biology*, **2003**, 81, 161-7	3.6	59
141	Inducible upregulation of oestrogen receptor-beta1 affects oestrogen and tamoxifen responsiveness in MCF7 human breast cancer cells. *Journal of Molecular Endocrinology*, **2005**, 34, 553-66	4.5	59
140	Changes in the histone H2A variant H2A.Z and polyubiquitinated histone species in developing trout testis. *Biochemistry*, **1987**, 26, 4417-21	3.2	59
139	Histone modifications as a platform for cancer therapy. *Journal of Cellular Biochemistry*, **2005**, 94, 1088-102	4.7	54
138	Molecular cloning and cDNA sequence analysis of coho salmon stanniocalcin. *Molecular and Cellular Endocrinology*, **1992**, 90, 7-15	4.4	54

137	Two-dimensional gel systems for rapid histone analysis for use in minislab polyacrylamide gel electrophoresis. *Analytical Biochemistry*, **1982**, 120, 276-81	3.1	54
136	Targeting class I histone deacetylases in cancer therapy. *Expert Opinion on Therapeutic Targets*, **2013**, 17, 29-41	6.4	53
135	Colonic aberrant crypt foci are associated with increased expression of c-fos: the possible role of modified c-fos expression in preneoplastic lesions in colon cancer. *Carcinogenesis*, **1992**, 13, 573-8	4.6	53
134	Differential intranuclear organization of transcription factors Sp1 and Sp3. *Molecular Biology of the Cell*, **2005**, 16, 4073-83	3.5	51
133	Western blotting and immunochemical detection of histones electrophoretically resolved on acid-urea-triton- and sodium dodecyl sulfate-polyacrylamide gels. *Analytical Biochemistry*, **1992**, 200, 339-41	3.1	50
132	Protein arginine methyltransferases (PRMTs): role in chromatin organization. *Advances in Biological Regulation*, **2015**, 57, 173-84	6.2	48
131	Mitogen- and stress-activated kinase 1 (MSK1) regulates cigarette smoke-induced histone modifications on NF-B-dependent genes. *PLoS ONE*, **2012**, 7, e31378	3.7	48
130	Estrogen regulation of trefoil factor 1 expression by estrogen receptor alpha and Sp proteins. *Experimental Cell Research*, **2005**, 302, 96-107	4.2	48
129	Expression and characterization of branched-chain alpha-ketoacid dehydrogenase kinase from the rat. Is it a histidine-protein kinase?. *Journal of Biological Chemistry*, **1995**, 270, 19861-7	5.4	48
128	The nuclear matrix and the regulation of chromatin organization and function. *International Review of Cytology*, **1995**, 162A, 191-250		48
127	Effect of estradiol on histone acetylation dynamics in human breast cancer cells. *Journal of Biological Chemistry*, **2001**, 276, 49435-42	5.4	47
126	Histone H3 phosphorylation, immediate-early gene expression, and the nucleosomal response: a historical perspective. *Biochemistry and Cell Biology*, **2012**, 90, 39-54	3.6	46
125	Histone modifications, chromatin structure, and the nuclear matrix. *Journal of Cellular Biochemistry*, **1996**, 62, 149-57	4.7	46
124	Chromatin modification of the trefoil factor 1 gene in human breast cancer cells by the Ras/mitogen-activated protein kinase pathway. *Cancer Research*, **2006**, 66, 4610-6	10.1	45
123	MSK1 and MSK2 mediate mitogen- and stress-induced phosphorylation of histone H3: a controversy resolved. *Science Signaling*, **2003**, 2003, PE33	8.8	45
122	CHD1 associates with NCoR and histone deacetylase as well as with RNA splicing proteins. *Biochemical and Biophysical Research Communications*, **2003**, 308, 170-6	3.4	45
121	Ultrastructure of transcriptionally competent chromatin. *Nucleic Acids Research*, **1990**, 18, 7015-24	20.1	45
120	The estrogen receptor: more than the average transcription factor. *Biochemistry and Cell Biology*, **2002**, 80, 335-41	3.6	44

119	Regulation of chromatin structure via histone post-translational modification and the link to carcinogenesis. *Cancer and Metastasis Reviews*, **2013**, 32, 363-76	9.6	43
118	Chromatin organization and nuclear microenvironments in cancer cells. *Journal of Cellular Biochemistry*, **2008**, 104, 2004-15	4.7	43
117	Histones of Chlamydomonas reinhardtii. Synthesis, acetylation, and methylation. *Plant Physiology*, **1995**, 109, 393-407	6.6	43
116	Inhibition of transcription selectively reduces the level of ubiquitinated histone H2B in chromatin. *Biochemical and Biophysical Research Communications*, **1994**, 203, 344-50	3.4	42
115	Mitotic partitioning of transcription factors. *Journal of Cellular Biochemistry*, **2008**, 105, 1-8	4.7	41
114	Differential distribution of unmodified and phosphorylated histone deacetylase 2 in chromatin. *Journal of Biological Chemistry*, **2007**, 282, 33227-36	5.4	41
113	Identification of a direct Dlx homeodomain target in the developing mouse forebrain and retina by optimization of chromatin immunoprecipitation. *Nucleic Acids Research*, **2004**, 32, 884-92	20.1	41
112	Histone H1b phosphorylation is dependent upon ongoing transcription and replication in normal and ras-transformed mouse fibroblasts. *Journal of Biological Chemistry*, **1997**, 272, 8113-6	5.4	40
111	Protein kinase CK2 regulates the dimerization of histone deacetylase 1 (HDAC1) and HDAC2 during mitosis. *Journal of Biological Chemistry*, **2013**, 288, 16518-16528	5.4	37
110	Potential role of estrogen receptor alpha (ERalpha) phosphorylated at Serine118 in human breast cancer in vivo. *Journal of Steroid Biochemistry and Molecular Biology*, **2006**, 102, 139-46	5.1	36
109	RNA-dependent dynamic histone acetylation regulates MCL1 alternative splicing. *Nucleic Acids Research*, **2014**, 42, 1656-70	20.1	35
108	Estrogen regulated expression of the p21 Waf1/Cip1 gene in estrogen receptor positive human breast cancer cells. *Journal of Cellular Physiology*, **2010**, 224, 28-32	7	35
107	Measurement of histone acetyltransferase and histone deacetylase activities and kinetics of histone acetylation. *Methods*, **2003**, 31, 12-23	4.6	35
106	Sp1 and Sp3 foci distribution throughout mitosis. *Journal of Cell Science*, **2006**, 119, 1063-70	5.3	34
105	Impaired assembly of E1 decarboxylase of the branched-chain alpha-ketoacid dehydrogenase complex in type IA maple syrup urine disease. *Journal of Biological Chemistry*, **1998**, 273, 13110-8	5.4	34
104	Nuclear factor 1 is a component of the nuclear matrix. *Journal of Cellular Biochemistry*, **1994**, 55, 252-63	4.7	34
103	Mitogen- and stress-activated protein kinase 1 activity and histone h3 phosphorylation in oncogene-transformed mouse fibroblasts. *Cancer Research*, **2004**, 64, 9076-9	10.1	33
102	Histone H1(S)-3 phosphorylation in Ha-ras oncogene-transformed mouse fibroblasts. *Oncogene*, **2002**, 21, 8397-403	9.2	33

101	Pre-mRNA splicing: role of epigenetics and implications in disease. *Advances in Biological Regulation* , **2012**, 52, 377-88	6.2	32
100	An essential role for Mad homology domain 1 in the association of Smad3 with histone deacetylase activity*. *Journal of Biological Chemistry*, **2001**, 276, 22595-603	5.4	32
99	Selective association of peroxiredoxin 1 with genomic DNA and COX-2 upstream promoter elements in estrogen receptor negative breast cancer cells. *Molecular Biology of the Cell*, **2010**, 21, 2987-95	3.5	31
98	Phosphorylated serine 28 of histone H3 is associated with destabilized nucleosomes in transcribed chromatin. *Nucleic Acids Research*, **2007**, 35, 6640-7	20.1	31
97	Timing of the appearance of ubiquitinated histones in developing new macronuclei of Tetrahymena thermophila. *Biochemistry and Cell Biology*, **1991**, 69, 66-71	3.6	31
96	Biotin is not a natural histone modification. *Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms*, **2009**, 1789, 719-33	6	30
95	Estrogen receptor-beta regulates psoriasin (S100A7) in human breast cancer. *Breast Cancer Research and Treatment*, **2007**, 104, 75-85	4.4	29
94	Histone H3K4 trimethylation: dynamic interplay with pre-mRNA splicing. *Biochemistry and Cell Biology*, **2016**, 94, 1-11	3.6	28
93	Control of chromatin remodeling. *Critical Reviews in Eukaryotic Gene Expression*, **2000**, 10, 303-25	1.3	27
92	Estrogen regulation of nuclear matrix-intermediate filament proteins in human breast cancer cells. *Journal of Cellular Biochemistry*, **1996**, 63, 174-84	4.7	27
91	Dynamically acetylated histone association with transcriptionally active and competent genes in the avian adult beta-globin gene domain. *Journal of Biological Chemistry*, **2001**, 276, 34810-5	5.4	26
90	Intracellular histamine and liver regeneration: high affinity binding of histamine to chromatin, low affinity binding to matrix, and depletion of a nuclear storage pool following partial hepatectomy. *Biochemical and Biophysical Research Communications*, **1992**, 184, 840-7	3.4	26
89	Estrogen regulates the association of intermediate filament proteins with nuclear DNA in human breast cancer cells. *Journal of Biological Chemistry*, **1998**, 273, 29093-7	5.4	25
88	Properties of chicken erythrocyte histone deacetylase associated with the nuclear matrix. *Biochemical Journal*, **1996**, 314 (Pt 2), 631-7	3.8	25
87	Role of MSK1 in the malignant phenotype of Ras-transformed mouse fibroblasts. *Journal of Biological Chemistry*, **2011**, 286, 42-9	5.4	24
86	The role of Sp1 and Sp3 in the constitutive DPYD gene expression. *Biochimica Et Biophysica Acta Gene Regulatory Mechanisms*, **2006**, 1759, 247-56		24
85	Fibroblasts transformed by combinations of ras, myc and mutant p53 exhibit increased phosphorylation of histone H1 that is independent of metastatic potential. *FEBS Letters*, **1995**, 377, 51-3	3.8	24
84	Changes in the nuclear matrix of chicken erythrocytes that accompany maturation. *Biochemical Journal*, **1996**, 320 (Pt 1), 257-65	3.8	23

83	PDK2-mediated alternative splicing switches Bnip3 from cell death to cell survival. *Journal of Cell Biology*, **2015**, 210, 1101-15	7.3	22
82	Ras-associated nuclear structural change appears functionally significant and independent of the mitotic signaling pathway **1998**, 70, 130-140		21
81	CUG-initiated FGF-2 induces chromatin compaction in cultured cardiac myocytes and in vitro. *Journal of Cellular Physiology*, **2001**, 186, 457-67	7	21
80	Nuclear distribution of histone deacetylase: a marker enzyme for the internal nuclear matrix. *Biochimica Et Biophysica Acta Gene Regulatory Mechanisms*, **1992**, 1130, 307-13		21
79	Nuclear matrix proteins in well and poorly differentiated human breast cancer cell lines. *Journal of Cellular Biochemistry*, **1997**, 66, 9-15	4.7	20
78	In vitro reconstitution of the 24-meric E2 inner core of bovine mitochondrial branched-chain alpha-keto acid dehydrogenase complex: requirement for chaperonins GroEL and GroES. *Biochemistry*, **1994**, 33, 8962-8	3.2	20
77	Dynamic distribution of HDAC1 and HDAC2 during mitosis: association with F-actin. *Journal of Cellular Physiology*, **2013**, 228, 1525-35	7	18
76	Signal transduction pathways and chromatin structure in cancer cells. *Journal of Cellular Biochemistry*, **2000**, Suppl 35, 27-35	4.7	18
75	DNA Methylation Contributes to the Differential Expression Levels of in Male Mice Neurons and Astrocytes. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	17
74	The chicken erythrocyte epigenome. *Epigenetics and Chromatin*, **2016**, 9, 19	5.8	17
73	Purification and characterization of chicken erythrocyte histone deacetylase 1. *Biochemistry*, **1999**, 38, 5939-47	3.2	17
72	Differential compaction of transcriptionally competent and repressed chromatin reconstituted with histone H1 subtypes. *Biochimica Et Biophysica Acta Gene Regulatory Mechanisms*, **1995**, 1260, 207-14		17
71	Analysis of erythroid nuclear proteins binding to the promoter and enhancer elements of the chicken histone H5 gene. *Nucleic Acids Research*, **1992**, 20, 6385-92	20.1	17
70	Epigenetic regulation of ACE2, the receptor of the SARS-CoV-2 virus. *Genome*, **2021**, 64, 386-399	2.4	17
69	Gene expression regulation through 14-3-3 interactions with histones and HDACs. *Discovery Medicine*, **2011**, 11, 349-58	2.5	17
68	SARS-CoV-2 multifaceted interaction with the human host. Part II: Innate immunity response, immunopathology, and epigenetics. *IUBMB Life*, **2020**, 72, 2331-2354	4.7	16
67	Chronic Ethanol Exposure Alters DNA Methylation in Neural Stem Cells: Role of Mouse Strain and Sex. *Molecular Neurobiology*, **2020**, 57, 650-667	6.2	16
66	Genome-Wide Transcriptome Landscape of Embryonic Brain-Derived Neural Stem Cells Exposed to Alcohol with Strain-Specific Cross-Examination in BL6 and CD1 Mice. *Scientific Reports*, **2019**, 9, 206	4.9	15

65	Effects of the in vivo supply of butyrate on histone acetylation of cecum in piglets. *Journal of Parenteral and Enteral Nutrition*, **2008**, 32, 51-6	4.2	15
64	High Mobility Group A2 protects cancer cells against telomere dysfunction. *Oncotarget*, **2016**, 7, 12761-82	5.3	15
63	Connecting the dots: chromatin and alternative splicing in EMT. *Biochemistry and Cell Biology*, **2016**, 94, 12-25	3.6	14
62	Suppression of DPYD expression in RKO cells via DNA methylation in the regulatory region of the DPYD promoter: a potentially important epigenetic mechanism regulating DPYD expression. *Biochemistry and Cell Biology*, **2007**, 85, 337-46	3.6	14
61	Characterization of stably transfected fusion protein GFP-estrogen receptor-alpha in MCF-7 human breast cancer cells. *Journal of Cellular Biochemistry*, **2002**, 86, 365-75	4.7	14
60	NAPP2, a peroxisomal membrane protein, is also a transcriptional corepressor. *Genomics*, **2002**, 79, 423-31	4.3	14
59	Analysis of human breast cancer nuclear proteins binding to the promoter elements of the c-myc gene. *Journal of Cellular Biochemistry*, **1996**, 60, 560-71	4.7	14
58	C-myc gene chromatin of estrogen receptor positive and negative breast cancer cells. *Molecular and Cellular Endocrinology*, **1993**, 91, 83-9	4.4	14
57	Abnormalities of chromatin in tumor cells. *Exs*, **2006**, 25-47		13
56	Genomic instability and histone H3 phosphorylation induction by the Ras-mitogen activated protein kinase pathway in pancreatic cancer cells. *International Journal of Cancer*, **2009**, 124, 562-7	7.5	12
55	Increased genomic instability and altered chromosomal protein phosphorylation timing in HRAS-transformed mouse fibroblasts. *Genes Chromosomes and Cancer*, **2009**, 48, 397-409	5	12
54	Expression of E1 component of human branched-chain alpha-keto acid dehydrogenase complex in Escherichia coli by cotransformation with chaperonins GroEL and GroES. *Methods in Enzymology*, **2000**, 324, 179-91	1.7	12
53	Dynamic Histone Acetylation of H3K4me3 Nucleosome Regulates MCL1 Pre-mRNA Splicing. *Journal of Cellular Physiology*, **2016**, 231, 2196-204	7	12
52	Mitogen and stress- activated protein kinase regulated gene expression in cancer cells. *Advances in Biological Regulation*, **2019**, 71, 147-155	6.2	12
51	DNA methylation and histone post-translational modification stability in post-mortem brain tissue. *Clinical Epigenetics*, **2019**, 11, 5	7.7	12
50	The steroid receptor RNA activator protein (SRAP) controls cancer cell migration/motility. *FEBS Letters*, **2015**, 589, 4010-8	3.8	11
49	Yin Yang gene expression ratio signature for lung cancer prognosis. *PLoS ONE*, **2013**, 8, e68742	3.7	11
48	Mitogen- and stress-activated protein kinases 1 and 2 are required for maximal trefoil factor 1 induction. *PLoS ONE*, **2013**, 8, e63189	3.7	11

47	Mitogen-induced distinct epialleles are phosphorylated at either H3S10 or H3S28, depending on H3K27 acetylation. *Molecular Biology of the Cell*, **2017**, 28, 817-824	3.5	10
46	Epigenetic regulation of canonical TNF pathway by HDAC1 determines survival of cardiac myocytes. *American Journal of Physiology - Heart and Circulatory Physiology*, **2013**, 304, H1662-9	5.2	10
45	An integrated analysis of genes and pathways exhibiting metabolic differences between estrogen receptor positive breast cancer cells. *BMC Cancer*, **2007**, 7, 181	4.8	10
44	Association of Sp3 and estrogen receptor alpha with the transcriptionally active trefoil factor 1 promoter in MCF-7 breast cancer cells. *Journal of Cellular Biochemistry*, **2008**, 105, 365-9	4.7	10
43	Developmental changes in transcription factors associated with the nuclear matrix of chicken erythrocytes. *Journal of Cellular Biochemistry*, **1996**, 62, 454-66	4.7	10
42	Acetylation and methylation of histones H3 and H4 in chicken immature erythrocytes are not directly coupled. *Biochemical and Biophysical Research Communications*, **1992**, 185, 414-9	3.4	10
41	A 10-Gene Yin Yang Expression Ratio Signature for Stage IA and IB Non-Small Cell Lung Cancer. *Journal of Thoracic Oncology*, **2016**, 11, 2150-2160	8.9	10
40	The discovery and development of the CRISPR system in applications in genome manipulation. *Biochemistry and Cell Biology*, **2017**, 95, 203-210	3.6	9
39	HDAC inhibitors prevent the induction of the immediate-early gene FOSL1, but do not alter the nucleosome response. *FEBS Letters*, **2013**, 587, 1510-7	3.8	9
38	Nucleosomal response, immediate-early gene expression and cell transformation. *Advances in Enzyme Regulation*, **2010**, 50, 135-45		9
37	Repression of histone H5 gene expression in chicken mature erythrocytes is correlated with reduced DNA-binding activities of transcription factors Sp1 and GATA-1. *FEBS Letters*, **1993**, 331, 141-4	3.8	9
36	Genomic landscape of transcriptionally active histone arginine methylation marks, H3R2me2s and H4R3me2a, relative to nucleosome depleted regions. *Gene*, **2020**, 742, 144593	3.8	8
35	Nuclear microenvironments and cancer. *Journal of Cellular Biochemistry*, **2008**, 104, 1949-52	4.7	8
34	Efficient method for visualization and isolation of proteins resolved in polyacrylamide gels. *Journal of Chromatography A*, **1984**, 298, 115-21	4.5	8
33	A 16 Yin Yang gene expression ratio signature for ER+/node- breast cancer. *International Journal of Cancer*, **2017**, 140, 1413-1424	7.5	7
32	Transcription-dependent association of HDAC2 with active chromatin. *Journal of Cellular Physiology* , **2018**, 233, 1650-1657	7	7
31	SARS-CoV-2 multifaceted interaction with human host. Part I: What we have learnt and done so far, and the still unknown realities. *IUBMB Life*, **2020**, 72, 2313-2330	4.7	7
30	Global DNA Methylation and Histone Posttranslational Modifications in Human and Nonhuman Primate Brain in Association with Prenatal Alcohol Exposure. *Alcoholism: Clinical and Experimental Research*, **2019**, 43, 1145-1162	3.7	6

29	Chromatin organization of transcribed genes in chicken polychromatic erythrocytes. *Gene*, **2019**, 699, 80-87	3.8	6
28	Isolation of Proteins Cross-linked to DNA by Formaldehyde **2002**, 753-758		6
27	Atypical chromatin structure of immune-related genes expressed in chicken erythrocytes. *Biochemistry and Cell Biology*, **2020**, 98, 171-177	3.6	6
26	Histone modifications. *New Comprehensive Biochemistry*, **2004**, 205-240		5
25	Novel DNase I hypersensitive sites in the 3Rflanking region of the human c-myc gene. *DNA and Cell Biology*, **1996**, 15, 543-8	3.6	5
24	Transcription factor GATA-1-multiprotein complexes and chicken erythroid development. *FEBS Letters*, **1994**, 342, 273-7	3.8	5
23	Ubiquitin C-terminal hydrolase isozyme L1 is associated with shelterin complex at interstitial telomeric sites. *Epigenetics and Chromatin*, **2017**, 10, 54	5.8	4
22	The chicken model organism for epigenomic research. *Genome*, **2021**, 64, 476-489	2.4	4
21	The dynamic broad epigenetic (H3K4me3, H3K27ac) domain as a mark of essential genes. *Clinical Epigenetics*, **2021**, 13, 138	7.7	4
20	Estrogen receptor diminishes DNA-binding activities of chicken GATA-1 and CACCC-binding proteins. *DNA and Cell Biology*, **1997**, 16, 1477-82	3.6	3
19	Isolation of transcriptionally active chromatin from human breast cancer cells using Sulfolink coupling gel chromatography. *Journal of Cellular Biochemistry*, **2002**, 84, 439-46	4.7	3
18	Isolation of Proteins Cross-linked to DNA by Cisplatin **2002**, 747-752		3
17	In situ footprinting of chicken histone H5 gene in mature and immature erythrocytes reveals common factor-binding sites. *Chromosoma*, **1996**, 104, 504-10	2.8	3
16	DNA methylation and chromatin modifications **2019**, 13-36		2
15	Dual cross-linking ribonucleoprotein immunoprecipitation assay. *Biochemistry and Cell Biology*, **2014**, 92, 317-9	3.6	2
14	Elevated expression of the estrogen receptor prevents the down-regulation of p21Waf1/Cip1 in hormone dependent breast cancer cells. *Journal of Cellular Biochemistry*, **2004**, 93, 619-28	4.7	2
13	Nuclear matrix proteins bind very tightly to specific regions of the chicken histone H5 gene. *Biochemistry and Cell Biology*, **1992**, 70, 822-9	3.6	2
12	Control of Chromatin Remodeling. *Critical Reviews in Eukaryotic Gene Expression*, **2000**, 10, 24	1.3	2

11	Signal transduction pathways and chromatin structure in cancer cells. *Journal of Cellular Biochemistry*, **2000**, 79, 27-35	4.7	1
10	The key role of differential broad H3K4me3 and H3K4ac domains in breast cancer.. *Gene*, **2022**, 146463	3.8	1
9	Mitogen-induced transcriptional programming in human fibroblasts. *Gene*, **2021**, 800, 145842	3.8	0
8	Epigenetics: Chromatin Organization and Function. *Cardiac and Vascular Biology*, **2016**, 1-35	0.2	
7	Epigenetic Analysis of Pluripotent Cells **2010**, 273-288		
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5	Protein Blotting of Basic Proteins Resolved on Acid-Urea-Triton-Polyacrylamide Gels **2002**, 337-342		
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