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Translating the histone code

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#	Paper	IF	Citations
2252	Immediate-early CMV gene regulation and function. 241-263		23
2251	References. 133-150		
2250	Reviews : The Theatre of the Weimar Republic. By John Willett. Holmes & Meier, New York & London, 1988. Pp. 350. \$79.50. 1990 , 20, 88-89		0
2249	Proteomic analysis of the basic proteins in 5-fluorouracil resistance of human colon cancer cell line using the radical-free and highly reducing method of two-dimensional polyacrylamide gel electrophoresis. 1992 , 33, 361		
2248	Histone deacetylase inhibitors: Apoptotic effects and clinical implications (Review). 1992 , 33, 637		11
2247	Cellular Memory and Imprinting. 221-248		
2246	Developmentally programmed excision of internal DNA sequences in <i>Paramecium aurelia</i> . 2001 , 83, 1009-22		38
2245	A transcriptional switch mediated by cofactor methylation. <i>Science</i> , 2001 , 294, 2507-11	33.3	333
2244	Purification and functional characterization of a histone H3-lysine 4-specific methyltransferase. 2001 , 8, 1207-17		422
2243	Loss of the Suv39h histone methyltransferases impairs mammalian heterochromatin and genome stability. 2001 , 107, 323-37		1370
2242	Methylation of histone H3 at Lys-9 is an early mark on the X chromosome during X inactivation. 2001 , 107, 727-38		422
2241	Molecular biology. Methylation talk between histones and DNA. <i>Science</i> , 2001 , 294, 2113-5	33.3	140
2240	Imprinting and the epigenetic asymmetry between parental genomes. <i>Science</i> , 2001 , 293, 1086-9	33.3	351
2239	. 2001 ,		48
2238	Subcellular steroid/nuclear receptor dynamics. 2001 , 64, 353-68		34
2237	Proteomics: posttranslational modifications, immune responses and current analytical tools. 2001 , 18, 213-20		39
2236	The <i>Saccharomyces cerevisiae</i> Set1 complex includes an Ash2 homologue and methylates histone 3 lysine 4. 2001 , 20, 7137-48		456

2235	The lipid phosphatase SHIP2 controls insulin sensitivity. 2001 , 409, 92-7		326
2234	Code of silence. 2001 , 414, 258-61		86
2233	Dressing up bare particles. 2001 , 414, 261-2		6
2232	Chromosomes on the move. 2001 , 17, 689-90		3
2231	Retinoic acid receptor alpha1 variants, RARalpha1DeltaB and RARalpha1DeltaBC, define a new class of nuclear receptor isoforms. 2001 , 29, 4901-8		17
2230	Histone H3 lysine 4 methylation is mediated by Set1 and required for cell growth and rDNA silencing in <i>Saccharomyces cerevisiae</i> . 2001 , 15, 3286-95		471
2229	Lashings of DNA methylation, forkfuls of chromatin remodeling. 2001 , 15, 3231-6		29
2228	Histones rule! The FASEB conference on chromatin and transcription. July 7-12, 2001. 2001 , 154, 906-7		1
2227	Transitions in distinct histone H3 methylation patterns at the heterochromatin domain boundaries. <i>Science</i> , 2001 , 293, 1150-5	33.3	619
2226	Unique chromatin remodeling and transcriptional regulation in spermatogenesis. <i>Science</i> , 2002 , 296, 2176-8	33.3	366
2225	Imprinting regulator DNMT3L is a transcriptional repressor associated with histone deacetylase activity. 2002 , 30, 3602-8		69
2224	hSWI/SNF-catalyzed nucleosome sliding does not occur solely via a twist-diffusion mechanism. 2002 , 22, 7484-90		47
2223	Analysis of sequence upstream of the endogenous H19 gene reveals elements both essential and dispensable for imprinting. 2002 , 22, 2450-62		70
2222	Dynamic changes in histone H3 Lys 9 methylation occurring at tightly regulated inducible inflammatory genes. 2002 , 16, 2219-24		172
2221	SWI/SNF-dependent long-range remodeling of yeast HIS3 chromatin. 2002 , 99, 15381-6		36
2220	Assembly of the SMRT-histone deacetylase 3 repression complex requires the TCP-1 ring complex. 2002 , 16, 3130-5		99
2219	Spatial organization of active and inactive genes and noncoding DNA within chromosome territories. 2002 , 157, 579-89		191
2218	Histone deacetylase 6 binds polyubiquitin through its zinc finger (PAZ domain) and copurifies with deubiquitinating enzymes. 2002 , 99, 13425-30		166

2217	Identification and characterization of CIA/ASF1 as an interactor of bromodomains associated with TFIID. 2002 , 99, 9334-9	55
2216	Interphase chromosomes in Arabidopsis are organized as well defined chromocenters from which euchromatin loops emanate. 2002 , 99, 14584-9	354
2215	Mutations in the RING domain of TFB3, a subunit of yeast transcription factor IIH, reveal a role in cell cycle progression. 2002 , 277, 39409-16	8
2214	Histone H3 lysine 4 methylation disrupts binding of nucleosome remodeling and deacetylase (NuRD) repressor complex. 2002 , 277, 11621-4	197
2213	Archaeal genome organization and stress responses: implications for the origin and evolution of cellular life. 2002 , 2, 241-53	9
2212	What regulates developmental plasticity?. 2002 , 4, 177-8	1
2211	Alteration of large-scale chromatin structure by estrogen receptor. 2002 , 22, 3437-49	85
2210	Transcription. Chromatin control--a place for E2F and Myc to meet. <i>Science</i> , 2002 , 296, 1034-5	33.3 7
2209	Lysine methylation within the globular domain of histone H3 by Dot1 is important for telomeric silencing and Sir protein association. 2002 , 16, 1518-27	396
2208	Acetylation of nucleosomal histones by p300 facilitates transcription from tax-responsive human T-cell leukemia virus type 1 chromatin template. 2002 , 22, 4450-62	52
2207	m-Bop, a repressor protein essential for cardiogenesis, interacts with skNAC, a heart- and muscle-specific transcription factor. 2002 , 277, 26524-9	68
2206	COMPASS, a histone H3 (Lysine 4) methyltransferase required for telomeric silencing of gene expression. 2002 , 277, 10753-5	314
2205	Hematopoietic-specific activators establish an overlapping pattern of histone acetylation and methylation within a mammalian chromatin domain. 2002 , 99, 14309-14	88
2204	Site-specific loss of acetylation upon phosphorylation of histone H3. 2002 , 277, 29496-502	93
2203	Characterization of inhibitor-resistant histone deacetylase activity in plant-pathogenic fungi. 2002 , 1, 538-47	20
2202	A chromosomal position effect on gene targeting in human cells. 2002 , 30, 4892-901	21
2201	Emerging roles of ubiquitin in transcription regulation. <i>Science</i> , 2002 , 296, 1254-8	33.3 356
2200	Fission yeast CENP-B homologs nucleate centromeric heterochromatin by promoting heterochromatin-specific histone tail modifications. 2002 , 16, 1766-78	84

2199	Methylation of histone H3 Lys 4 in coding regions of active genes. 2002 , 99, 8695-700	593
2198	REST repression of neuronal genes requires components of the hSWI.SNF complex. 2002 , 277, 41038-45	156
2197	Functional and physical interaction between the histone methyl transferase Suv39H1 and histone deacetylases. 2002 , 30, 475-81	133
2196	Association of the histone methyltransferase Set2 with RNA polymerase II plays a role in transcription elongation. 2002 , 277, 49383-8	208
2195	Chromatin remodeling by RSC involves ATP-dependent DNA translocation. 2002 , 16, 2120-34	201
2194	A trithorax-group complex purified from <i>Saccharomyces cerevisiae</i> is required for methylation of histone H3. 2002 , 99, 90-4	271
2193	SETDB1: a novel KAP-1-associated histone H3, lysine 9-specific methyltransferase that contributes to HP1-mediated silencing of euchromatic genes by KRAB zinc-finger proteins. 2002 , 16, 919-32	854
2192	Chromatin reprogramming of male somatic cell-derived XIST and TSIX in ES hybrid cells. 2002 , 99, 106-14	20
2191	Postsynthetic trimethylation of histone H4 at lysine 20 in mammalian tissues is associated with aging. 2002 , 277, 39195-201	200
2190	X-Autosome translocations, meiotic synapsis, chromosome evolution and speciation. 2002 , 96, 33-9	42
2189	Does heterochromatin protein 1 always follow code?. 2002 , 99 Suppl 4, 16462-9	158
2188	Methylation of histone H3 by COMPASS requires ubiquitination of histone H2B by Rad6. 2002 , 277, 28368-71	404
2187	Histone acetylation in vivo at the osteocalcin locus is functionally linked to vitamin D-dependent, bone tissue-specific transcription. 2002 , 277, 20284-92	61
2186	Regulation of histone deacetylase 2 by protein kinase CK2. 2002 , 277, 31826-33	155
2185	Heterochromatin in animals and plants. Similarities and differences. 2002 , 129, 40-9	50
2184	Maximal induction of a subset of interferon target genes requires the chromatin-remodeling activity of the BAF complex. 2002 , 22, 6471-9	94
2183	Genome-wide location and regulated recruitment of the RSC nucleosome-remodeling complex. 2002 , 16, 806-19	209
2182	Selective interactions between vertebrate polycomb homologs and the SUV39H1 histone lysine methyltransferase suggest that histone H3-K9 methylation contributes to chromosomal targeting of Polycomb group proteins. 2002 , 22, 5539-53	81

2181	Beyond the central dogma. 2002 , 18, 223-5		12
2180	Epigenetic regulation of T cell fate and function. 2002 , 185 Suppl 1, S37-45		28
2179	Identification of HDAC10, a novel class II human histone deacetylase containing a leucine-rich domain. 2002 , 30, 1114-23		112
2178	Cancer epigenomics. 2002 , 11, 2479-88		92
2177	Regulation of the different chromatin states of autosomes and X chromosomes in the germ line of <i>C. elegans</i> . <i>Science</i> , 2002 , 296, 2235-8	33.3	100
2176	Evidence that arachidonate 15-lipoxygenase 2 is a negative cell cycle regulator in normal prostate epithelial cells. 2002 , 277, 16189-201		90
2175	Association of class II histone deacetylases with heterochromatin protein 1: potential role for histone methylation in control of muscle differentiation. 2002 , 22, 7302-12		206
2174	Escape from X inactivation. 2002 , 99, 36-43		97
2173	Corepressor-dependent silencing of chromosomal regions encoding neuronal genes. <i>Science</i> , 2002 , 298, 1747-52	33.3	396
2172	Two ubiquitin-conjugating enzymes, Rhp6 and UbcX, regulate heterochromatin silencing in <i>Schizosaccharomyces pombe</i> . 2002 , 22, 8366-74		10
2171	Proteomics of the eukaryotic transcription machinery: identification of proteins associated with components of yeast TFIID by multidimensional mass spectrometry. 2002 , 22, 4723-38		271
2170	G9a histone methyltransferase plays a dominant role in euchromatic histone H3 lysine 9 methylation and is essential for early embryogenesis. 2002 , 16, 1779-91		919
2169	A change in the structure of Vbeta chromatin associated with TCR beta allelic exclusion. 2002 , 168, 2316-24		71
2168	Involvement of histone methylation and phosphorylation in regulation of transcription by thyroid hormone receptor. 2002 , 22, 5688-97		119
2167	Set2 is a nucleosomal histone H3-selective methyltransferase that mediates transcriptional repression. 2002 , 22, 1298-306		435
2166	Previously uncharacterized histone acetyltransferases implicated in mammalian spermatogenesis. 2002 , 99, 8707-12		160
2165	Activation of the mouse histone deacetylase 1 gene by cooperative histone phosphorylation and acetylation. 2002 , 22, 7820-30		71
2164	A Functional chromatin domain does not resist X chromosome inactivation: silencing of cLys correlates with methylation of a dual promoter-replication origin. 2002 , 22, 4667-76		13

2163	Specific phosphorylation of exogenous protein and peptide substrates by the human cytomegalovirus UL97 protein kinase. Importance of the P+5 position. 2002 , 277, 29593-9	46
2162	Centromere targeting element within the histone fold domain of Cid. 2002 , 22, 7553-61	113
2161	Chromatin-remodeling and memory factors. New regulators of plant development. 2002 , 130, 1090-101	96
2160	Regulation of histone acetylation and transcription by nuclear protein pp32, a subunit of the INHAT complex. 2002 , 277, 14005-10	103
2159	Genomic imprinting. 2002 , 12, 233-264	
2158	Histone deacetylases as therapeutic targets in hematologic malignancies. 2002 , 9, 322-32	92
2157	Collagen and hypertension. 2002 , 20, 1275-6	0
2156	A role of histone H4 hypoacetylation in vascular endothelial growth factor expression in colon mucosa adjacent to implanted cancer in athymic mice cecum. 2002 , 70, 348-52	5
2155	The biology of E7. 2002 , 101-118	1
2154	Early embryonic gene transcription in <i>Xenopus</i> . 2002 , 12, 85-105	8
2153	Is medical genetics neglecting epigenetics?. 2002 , 4, 399-402	21
2152	Steps in assembly of silent chromatin in yeast: Sir3-independent binding of a Sir2/Sir4 complex to silencers and role for Sir2-dependent deacetylation. 2002 , 22, 4167-80	238
2151	GAGA factor and the TFIID complex collaborate in generating an open chromatin structure at the <i>Drosophila melanogaster</i> hsp26 promoter. 2002 , 22, 6148-57	51
2150	The many tales of a tail: carboxyl-terminal tail heterogeneity specializes histone H2A variants for defined chromatin function. 2002 , 41, 5945-9	78
2149	Histone deacetylase-dependent establishment and maintenance of broad low-level histone acetylation within a tissue-specific chromatin domain. 2002 , 41, 15152-60	27
2148	Chromatin structure and gene regulation in the immune system. 2002 , 20, 427-62	142
2147	Chromatin structure and transcriptional regulation of the beta-globin locus. 2002 , 278, 1-11	14
2146	Human CD34+ hematopoietic progenitor cells hyperacetylate core histones in response to sodium butyrate, but not trichostatin A. 2002 , 280, 149-58	9

2145	The coming of age of DNA methylation in medicine in the genomics and postgenomics era. 2002 , 103, 213-6	7
2144	Germline X chromosomes exhibit contrasting patterns of histone H3 methylation in <i>Caenorhabditis elegans</i> . 2002 , 245, 71-82	46
2143	Histone deacetylase inhibitors: from target to clinical trials. 2002 , 11, 1695-713	196
2142	Histone deacetylation inhibits IL4 gene expression in T cells. 2002 , 109, 238-45	64
2141	Methylation at arginine 17 of histone H3 is linked to gene activation. 2002 , 3, 39-44	253
2140	Modulation of ISWI function by site-specific histone acetylation. 2002 , 3, 242-7	188
2139	Structure of HP1 chromodomain bound to a lysine 9-methylated histone H3 tail. <i>Science</i> , 2002 , 295, 2080-3	658
2138	Differential patterns of histone methylation and acetylation distinguish active and repressed alleles at X-linked genes. 2002 , 99, 66-74	32
2137	Integrated kinetics of X chromosome inactivation in differentiating embryonic stem cells. 2002 , 99, 75-84	84
2136	References. 239-273	
2135	Establishment and maintenance of a heterochromatin domain. <i>Science</i> , 2002 , 297, 2232-7	33:3 737
2134	DNA methylation patterns and epigenetic memory. 2002 , 16, 6-21	4960
2133	Signal transduction and the control of gene expression. <i>Science</i> , 2002 , 295, 813-8	33:3 521
2132	Barley lunasin suppresses ras-induced colony formation and inhibits core histone acetylation in mammalian cells. 2002 , 50, 5903-8	92
2131	RNAi hushes heterochromatin. 2002 , 3, REVIEWS1035	12
2130	The SWIRM domain: a conserved module found in chromosomal proteins points to novel chromatin-modifying activities. 2002 , 3, RESEARCH0039	74
2129	X chromosome inactivation, differentiation, and DNA methylation revisited, with a tribute to Susumu Ohno. 2002 , 99, 17-24	34
2128	Conformational dynamics of the chromatin fiber in solution: determinants, mechanisms, and functions. 2002 , 31, 361-92	412

2127	Dynamics of histone acetylation in vivo. A function for acetylation turnover?. 2002 , 80, 363-78	129
2126	The oncoprotein Set/TAF-1beta, an inhibitor of histone acetyltransferase, inhibits active demethylation of DNA, integrating DNA methylation and transcriptional silencing. 2002 , 277, 25026-31	147
2125	Inhibitors of histone deacetylase and DNA methyltransferase synergistically activate the methylated metallothionein I promoter by activating the transcription factor MTF-1 and forming an open chromatin structure. 2002 , 22, 8302-19	141
2124	Fundamental features of chromatin structure. 2002 , 4, 355-61	8
2123	Genetics finding its place in larger living schemes. 2002 , 12, 221-236	1
2122	Epigenetic codes for heterochromatin formation and silencing: rounding up the usual suspects. 2002 , 108, 489-500	719
2121	A unified theory of gene expression. 2002 , 108, 439-51	705
2120	Cytokine signaling in 2002: new surprises in the Jak/Stat pathway. 2002 , 109 Suppl, S121-31	850
2119	Dot1p modulates silencing in yeast by methylation of the nucleosome core. 2002 , 109, 745-56	669
2118	Class II histone deacetylases act as signal-responsive repressors of cardiac hypertrophy. 2002 , 110, 479-88	790
2117	Methylation of histone h3 at lysine 9 targets programmed DNA elimination in tetrahymena. 2002 , 110, 701-11	243
2116	Structure of the Neurospora SET domain protein DIM-5, a histone H3 lysine methyltransferase. 2002 , 111, 117-27	224
2115	Structure and catalytic mechanism of a SET domain protein methyltransferase. 2002 , 111, 91-103	205
2114	Setting the boundaries of chromatin domains and nuclear organization. 2002 , 111, 151-4	181
2113	A chromosome RNAissance. 2002 , 111, 159-62	42
2112	Deciphering the transcriptional histone acetylation code for a human gene. 2002 , 111, 381-92	536
2111	Cellular memory and the histone code. 2002 , 111, 285-91	928
2110	Blocking transcription through a nucleosome with synthetic DNA ligands. 2002 , 321, 249-63	85

2109	DNA methylation profiling: a new tool for evaluating hematologic malignancies. 2002 , 103, 217-30	10
2108	Genome remodeling in ciliated protozoa. 2002 , 56, 489-520	156
2107	Histone H3 variants specify modes of chromatin assembly. 2002 , 99 Suppl 4, 16477-84	258
2106	A rheostat model for a rapid and reversible form of imprinting-dependent evolution. 2002 , 70, 1389-97	50
2105	Histone modifications depict an aberrantly heterochromatinized FMR1 gene in fragile x syndrome. 2002 , 71, 923-32	163
2104	Access roads for RAG-ged terrains: control of T cell receptor gene rearrangement at multiple levels. 2002 , 14, 297-309	8
2103	Identification of unknown target genes of human transcription factors using chromatin immunoprecipitation. 2002 , 26, 37-47	293
2102	Assays for the identification and evaluation of histone acetyltransferase inhibitors. 2002 , 26, 245-53	38
2101	Structural basis of lysine-acetylated HIV-1 Tat recognition by PCAF bromodomain. 2002 , 9, 575-86	212
2100	How does Pol II overcome the nucleosome barrier?. 2002 , 9, 451-2	12
2099	The histone variant H3.3 marks active chromatin by replication-independent nucleosome assembly. 2002 , 9, 1191-200	889
2098	Histone variants and nucleosome deposition pathways. 2002 , 9, 1158-60	12
2097	A mark in the core: silence no more!. 2002 , 9, 1154-6	8
2096	Transcriptional inhibition of genes with severe histone h3 hypoacetylation in the coding region. 2002 , 10, 925-33	105
2095	Transcription corepressor CtBP is an NAD(+)-regulated dehydrogenase. 2002 , 10, 857-69	221
2094	ALL-1 is a histone methyltransferase that assembles a supercomplex of proteins involved in transcriptional regulation. 2002 , 10, 1119-28	602
2093	MLL targets SET domain methyltransferase activity to Hox gene promoters. 2002 , 10, 1107-17	866
2092	Promoter activation by enhancer-dependent and -independent loading of activator and coactivator complexes. 2002 , 10, 1479-87	77

2091	Epigenetics in cancer: implications for early detection and prevention. 2002 , 3, 755-63	128
2090	Histone modification: the 'next wave' in cancer therapeutics. 2002 , 8, S10-1	23
2089	Transcriptional regulation of cellular ageing by the CCAAT box-binding factor CBF/NF-Y. 2002 , 1, 639-51	35
2088	Design and function of transcriptional switches in Drosophila. 2002 , 32, 1257-73	13
2087	Deciphering gene expression regulatory networks. 2002 , 12, 130-6	146
2086	Coactivators in transcription initiation: here are your orders. 2002 , 12, 149-55	67
2085	Histone methylation in transcriptional control. 2002 , 12, 198-209	744
2084	Chromatin and transcription: where do we go from here. 2002 , 12, 249-51	29
2083	SET-domain proteins of the Su(var)3-9, E(z) and trithorax families. 2002 , 285, 25-37	68
2082	Characterisation of set-1, a conserved PR/SET domain gene in Caenorhabditis elegans. 2002 , 292, 33-41	6
2081	Xist RNA and the mechanism of X chromosome inactivation. 2002 , 36, 233-78	373
2080	Aspects of nucleosomal positional flexibility and fluidity. 2002 , 3, 1172-82	10
2079	Disruptor of telomeric silencing-1 is a chromatin-specific histone H3 methyltransferase. 2002 , 277, 30421-4	222
2078	Inactivation du chromosome X chez la souris : les tendances cis et trans pour 2002. 2002 , 18, 532-534	
2077	Hydroxyurea treatment for sickle cell disease. 2002 , 2, 1706-28	15
2076	Methylation and the genome: the power of a small amendment. 2002 , 132, 2450S-2456S	25
2075	2001 W.O. Atwater Memorial Lecture and the 2001 ASNS President's Lecture: Human nutrient requirements: the challenge of the post-genome era. 2002 , 132, 621-9	25
2074	Exposure to UV light causes increased biotinylation of histones in Jurkat cells. 2002 , 283, C878-84	44

2073	Epigenetic variation and human disease. 2002 , 132, 2388S-2392S	93
2072	. 2002 ,	21
2071	X-chromosome inactivation: closing in on proteins that bind Xist RNA. 2002 , 18, 352-8	117
2070	Connecting the DOTs: covalent histone modifications and the formation of silent chromatin. 2002 , 18, 387-9	14
2069	Regulation of the transcriptional activity of the nuclear factor-kappaB p65 subunit. 2002 , 64, 963-70	263
2068	Epialleles - a source of random variation in times of stress. 2002 , 5, 101-6	75
2067	Chromatin dynamics in plants. 2002 , 5, 560-7	51
2066	Altered methylation patterns in cancer cell genomes: cause or consequence?. 2002 , 1, 299-305	243
2065	Genome-wide profiling of DNA methylation reveals transposon targets of CHROMOMETHYLASE3. 2002 , 12, 65-8	146
2064	Evidence that Set1, a factor required for methylation of histone H3, regulates rDNA silencing in <i>S. cerevisiae</i> by a Sir2-independent mechanism. 2002 , 12, 165-70	174
2063	Transcriptional control: an activating role for arginine methylation. 2002 , 12, R59-61	26
2062	The MYST domain acetyltransferase Chameau functions in epigenetic mechanisms of transcriptional repression. 2002 , 12, 762-6	67
2061	Methylation of H3-lysine 79 is mediated by a new family of HMTases without a SET domain. 2002 , 12, 1052-8	644
2060	Epigenetics: SUPERMAN dresses up. 2002 , 12, R434-6	6
2059	Purification and functional characterization of SET8, a nucleosomal histone H4-lysine 20-specific methyltransferase. 2002 , 12, 1086-99	262
2058	The photomorphogenesis regulator DET1 binds the amino-terminal tail of histone H2B in a nucleosome context. 2002 , 12, 1529-34	143
2057	Chromatin methylation: who's on first?. 2002 , 12, R694-5	16
2056	Crosstalk between CARM1 methylation and CBP acetylation on histone H3. 2002 , 12, 2090-7	242

2055	A second catalytic domain in the Elp3 histone acetyltransferases: a candidate for histone demethylase activity?. 2002 , 27, 115-7	70
2054	A coactivator code for transcription. 2002 , 27, 165-7	61
2053	Unravelling novel intracellular pathways in cell-based assays. 2002 , 7, 179-86	25
2052	Chromatin as a eukaryotic template of genetic information. 2002 , 14, 269-78	24
2051	The many faces of histone lysine methylation. 2002 , 14, 286-98	690
2050	Nuclear organisation and gene expression. 2002 , 14, 372-6	48
2049	The interdependence of nuclear structure and function. 2002 , 14, 780-5	20
2048	Genome-wide histone modifications: gaining specificity by preventing promiscuity. 2002 , 14, 756-62	71
2047	Beyond Watson and Crick: DNA methylation and molecular enzymology of DNA methyltransferases. 2002 , 3, 274-93	480
2046	Plant chromatin: development and gene control. 2002 , 24, 234-43	67
2045	Histone acetyl transferases: a role in DNA repair and DNA replication. 2002 , 80, 463-74	61
2044	Heterochromatin, HP1 and methylation at lysine 9 of histone H3 in animals. 2002 , 111, 22-36	213
2043	Evidence for local control of gene expression in the epidermal differentiation complex. 2002 , 11, 406-12	63
2042	Transdifferentiation and nuclear reprogramming in hematopoietic development and neoplasia. 2002 , 187, 22-39	15
2041	Trifluoromethyl ketones as inhibitors of histone deacetylase. 2002 , 12, 3443-7	118
2040	Histone deacetylases in <i>Trypanosoma brucei</i> : two are essential and another is required for normal cell cycle progression. 2002 , 45, 89-97	59
2039	Chromatin remodeling in nuclear cloning. 2002 , 269, 2284-7	42
2038	Nucleotide excision repair and chromatin remodeling. 2002 , 269, 2288-93	39

2037	Nuclear receptor-dependent transcription with chromatin. Is it all about enzymes?. 2002 , 269, 2275-83	59
2036	Differentiation induction as a treatment for hematologic malignancies. 2002 , 21, 3496-506	25
2035	MOZ and MORF histone acetyltransferases interact with the Runt-domain transcription factor Runx2. 2002 , 21, 2729-40	120
2034	Aurora-B associated protein phosphatases as negative regulators of kinase activation. 2002 , 21, 3103-11	135
2033	Gene silencing in mammalian cells and the spread of DNA methylation. 2002 , 21, 5388-93	179
2032	DNA methylation and breast carcinogenesis. 2002 , 21, 5462-82	386
2031	DNA methylation and chromatin - unraveling the tangled web. 2002 , 21, 5361-79	366
2030	Loss of B cell identity correlates with loss of B cell-specific transcription factors in Hodgkin/Reed-Sternberg cells of classical Hodgkin lymphoma. 2002 , 21, 4908-20	105
2029	Gene silencing in phenomena related to DNA repair. 2002 , 21, 9033-42	17
2028	Ubiquitination of histone H2B regulates H3 methylation and gene silencing in yeast. 2002 , 418, 104-8	848
2027	Control of CpNpG DNA methylation by the KRYPTONITE histone H3 methyltransferase. 2002 , 416, 556-60	1012
2026	Unraveling heterochromatin. 2002 , 30, 241-2	227
2025	The tail does not always wag the dog. 2002 , 32, 221-2	7
2024	Securin a new role for itself. 2002 , 32, 222-4	11
2023	Replication timing and metazoan evolution. 2002 , 32, 336-7	15
2022	Predicting three-dimensional genome structure from transcriptional activity. 2002 , 32, 347-52	134
2021	Differentially methylated forms of histone H3 show unique association patterns with inactive human X chromosomes. 2002 , 30, 73-6	317
2020	Histone H3 lysine 9 methylation is an epigenetic imprint of facultative heterochromatin. 2002 , 30, 77-80	409

2019	Higher-order structure in pericentric heterochromatin involves a distinct pattern of histone modification and an RNA component. 2002 , 30, 329-34	572
2018	Bop encodes a muscle-restricted protein containing MYND and SET domains and is essential for cardiac differentiation and morphogenesis. 2002 , 31, 25-32	256
2017	Preparing the target for the bullet. 2002 , 3, 16-7	21
2016	T(H) cell differentiation is accompanied by dynamic changes in histone acetylation of cytokine genes. 2002 , 3, 643-51	433
2015	HDAC lightens a heavy heart. 2002 , 8, 1078-9	11
2014	Histone methyltransferases, diet nutrients and tumour suppressors. 2002 , 2, 469-76	125
2013	Histone-deacetylase inhibitors: novel drugs for the treatment of cancer. 2002 , 1, 287-99	1177
2012	The fundamental role of epigenetic events in cancer. 2002 , 3, 415-28	4311
2011	Chromatin modification and epigenetic reprogramming in mammalian development. 2002 , 3, 662-73	1526
2010	Haematopoietic cell-fate decisions, chromatin regulation and ikaros. 2002 , 2, 162-74	273
2009	Chromatin and CD4, CD8A and CD8B gene expression during thymic differentiation. 2002 , 2, 909-19	88
2008	The lineage decisions of helper T cells. 2002 , 2, 933-44	1357
2007	Cellular identity and lineage choice. 2002 , 2, 977-82	78
2006	Sibling rivalry in the E2F family. 2002 , 3, 11-20	949
2005	Trans-tail histone modifications: wedge or bridge?. 2002 , 9, 565-6	44
2004	Methyl magic and HAT tricks. 2002 , 9, 888-91	5
2003	A (ribo) switch in the paradigms of genetic regulation. 2002 , 9, 891-3	5
2002	Structure of the SET domain histone lysine methyltransferase Clr4. 2002 , 9, 828-32	68

2001	The active site of the SET domain is constructed on a knot. 2002 , 9, 833-8		59
2000	Global approaches to chromatin. 2002 , 9, 1167-73		16
1999	Dependence of heterochromatic histone H3 methylation patterns on the Arabidopsis gene DDM1. <i>Science</i> , 2002 , 297, 1871-3	33-3	381
1998	Chromatin Structure, Heterochromatin, and Transposable Genetic Elements: Are These Teammates?. 2002 , 36, 189-195		0
1997	Histone acetylation: a switch between repressive and permissive chromatin. Second in review series on chromatin dynamics. 2002 , 3, 224-9		683
1996	Negative regulation of transcription by the type II arginine methyltransferase PRMT5. 2002 , 3, 641-5		179
1995	Competition between histone H1 and HMGN proteins for chromatin binding sites. 2002 , 3, 760-6		111
1994	p21-activated kinase 1 interacts with and phosphorylates histone H3 in breast cancer cells. 2002 , 3, 767-73		124
1993	Human SIR2 deacetylates p53 and antagonizes PML/p53-induced cellular senescence. 2002 , 21, 2383-96		676
1992	The dMi-2 chromodomains are DNA binding modules important for ATP-dependent nucleosome mobilization. 2002 , 21, 2430-40		121
1991	Essential function of histone deacetylase 1 in proliferation control and CDK inhibitor repression. 2002 , 21, 2672-81		598
1990	Central role of Drosophila SU(VAR)3-9 in histone H3-K9 methylation and heterochromatic gene silencing. 2002 , 21, 1121-31		475
1989	The chromatin remodeling complex NoRC targets HDAC1 to the ribosomal gene promoter and represses RNA polymerase I transcription. 2002 , 21, 4632-40		190
1988	Nucleosome sliding: facts and fiction. 2002 , 21, 4749-53		89
1987	The Drosophila BRM complex facilitates global transcription by RNA polymerase II. 2002 , 21, 5245-54		140
1986	Allele-specific histone lysine methylation marks regulatory regions at imprinted mouse genes. 2002 , 21, 6560-70		177
1985	An Arabidopsis SET domain protein required for maintenance but not establishment of DNA methylation. 2002 , 21, 6842-52		240
1984	The dynamics of chromosome organization and gene regulation. 2003 , 72, 573-608		288

1983	Assembly of Polycomb complexes and silencing mechanisms. 2003 , 117, 191-7	18
1982	Nuclear microenvironments support physiological control of gene expression. 2003 , 11, 527-36	5
1981	The principles of nuclear structure. 2003 , 11, 387-401	39
1980	A novel histone deacetylase inhibitor, scriptaid, enhances expression of functional estrogen receptor alpha (ER) in ER negative human breast cancer cells in combination with 5-aza 2'-deoxycytidine. 2003 , 81, 177-86	138
1979	Arabidopsis MBD proteins show different binding specificities and nuclear localization. 2003 , 53, 715-31	43
1978	Retinoids and epigenetic silencing in cancer. 2003 , 61, 284-9	5
1977	Chromatin-mediated regulation of nucleolar structure and RNA Pol I localization by TOR. 2003 , 22, 6045-56	129
1976	Mechanism of histone lysine methyl transfer revealed by the structure of SET7/9-AdoMet. 2003 , 22, 292-303	96
1975	HDAC-6 interacts with and deacetylates tubulin and microtubules in vivo. 2003 , 22, 1168-79	563
1974	Purification and functional characterization of the human N-CoR complex: the roles of HDAC3, TBL1 and TBLR1. 2003 , 22, 1336-46	348
1973	Transcriptional activation of the NF-kappaB p65 subunit by mitogen- and stress-activated protein kinase-1 (MSK1). 2003 , 22, 1313-24	620
1972	HIV reproducibly establishes a latent infection after acute infection of T cells in vitro. 2003 , 22, 1868-77	606
1971	Alp13, an MRG family protein, is a component of fission yeast Clr6 histone deacetylase required for genomic integrity. 2003 , 22, 2776-87	58
1970	MSK2 and MSK1 mediate the mitogen- and stress-induced phosphorylation of histone H3 and HMG-14. 2003 , 22, 2788-97	402
1969	A SANT motif in the SMRT corepressor interprets the histone code and promotes histone deacetylation. 2003 , 22, 3403-10	129
1968	Local action of the chromatin assembly factor CAF-1 at sites of nucleotide excision repair in vivo. 2003 , 22, 5163-74	138
1967	Essential function of p300 acetyltransferase activity in heart, lung and small intestine formation. 2003 , 22, 5175-85	150
1966	A novel docking site on Mediator is critical for activation by VP16 in mammalian cells. 2003 , 22, 6494-504	109

1965	Gene targeting by triple helix-forming oligonucleotides. 2003 , 1002, 141-53	13
1964	Heterochromatin, Position Effect, and Genetic Silencing. 2003 , 39, 133-146	8
1963	Chromatin dynamics and Arabidopsis development. 2003 , 11, 277-304	29
1962	The sounds of silence--histone deacetylation meets histone methylation. 2003 , 117, 159-64	16
1961	Imprinted facultative heterochromatization in mealybugs. 2003 , 117, 271-9	33
1960	Transforming growth factor-beta 1 inhibits non-pathogenic Gram negative bacteria-induced NF-kappa B recruitment to the interleukin-6 gene promoter in intestinal epithelial cells through modulation of histone acetylation. 2003 , 278, 23851-60	111
1959	Heterochromatin and epigenetic control of gene expression. <i>Science</i> , 2003 , 301, 798-802	33-3 793
1958	Epigenetische Kontrolle der Genaktivität. 2003 , 19, 84-92	1
1957	Glucocorticoids: new mechanisms and future agents. 2003 , 3, 249-57	40
1956	Forming facultative heterochromatin: silencing of an X chromosome in mammalian females. 2003 , 60, 2586-603	53
1955	Long-range silencing and position effects at telomeres and centromeres: parallels and differences. 2003 , 60, 2303-18	87
1954	Epigenetic silencing may aid evolution by gene duplication. 2003 , 56, 718-29	96
1953	Chromatin remodeling by nuclear receptors. 2003 , 111, 495-504	79
1952	Polycomb-group proteins are involved in silencing processes caused by a transgenic element from the murine imprinted H19/Igf2 region in Drosophila. 2003 , 213, 336-44	17
1951	Histone and chromatin cross-talk. 2003 , 15, 172-83	975
1950	The anatomy of transcription sites. 2003 , 15, 311-7	13
1949	Histone modifications: an assembly line for active chromatin?. 2003 , 13, R22-4	16
1948	Heterochromatin: proteins in flux lead to stable repression. 2003 , 13, R317-9	11

1947	Sir2 regulates histone H3 lysine 9 methylation and heterochromatin assembly in fission yeast. 2003 , 13, 1240-6	162
1946	Linking chromatin function with metabolic networks: Sir2 family of NAD(+)-dependent deacetylases. 2003 , 28, 41-8	190
1945	Orchestrating nuclear functions: ubiquitin sets the rhythm. 2003 , 28, 189-95	56
1944	Chromatin regulation of plant development. 2003 , 6, 20-8	106
1943	Histone modifications and silencing prior to DNA methylation of a tumor suppressor gene. 2003 , 3, 89-95	343
1942	Histone deacetylase inhibitors in cancer therapy: is transcription the primary target?. 2003 , 4, 13-8	425
1941	Genetics supersedes epigenetics in colon cancer phenotype. 2003 , 4, 121-31	154
1940	Mechanisms of transcriptional dysregulation in Huntington's disease. 2003 , 3, 165-177	45
1939	The cell cycle, chromatin and cancer: mechanism-based therapeutics come of age. 2003 , 8, 793-802	45
1938	Polycomb group genes as epigenetic regulators of normal and leukemic hemopoiesis. 2003 , 31, 567-85	66
1937	Running with RNA polymerase: eukaryotic transcript elongation. 2003 , 19, 543-50	48
1936	Gene discovery in the hamster: a comparative genomics approach for gene annotation by sequencing of hamster testis cDNAs. 2003 , 4, 22	8
1935	The emerging role of epigenetics in cellular and organismal aging. 2003 , 38, 1299-307	73
1934	Mathematical modeling suggests cooperative interactions between a disordered polyvalent ligand and a single receptor site. 2003 , 13, 1669-78	72
1933	Centromere silencing and function in fission yeast is governed by the amino terminus of histone H3. 2003 , 13, 1748-57	117
1932	Heterochromatin: silence is golden. 2003 , 13, R895-8	147
1931	The histone deacetylase inhibitor suberic bishydroxamate: a potential sensitizer of melanoma to TNF-related apoptosis-inducing ligand (TRAIL) induced apoptosis. 2003 , 66, 1537-45	94
1930	Understanding mechanisms of novel gene expression in polyploids. 2003 , 19, 141-7	684

1929	Teaching cells new tricks. 2003 , 21, 354-61	45
1928	Effect of histone deacetylase inhibitors on heat shock protein gene expression during <i>Xenopus</i> development. 2003 , 36, 88-96	23
1927	Chromatin remodeling as a guide to transcriptional regulatory networks in mammals. 2003 , 88, 684-94	27
1926	Chromatin reorganization accompanying cellular dedifferentiation is associated with modifications of histone H3, redistribution of HP1, and activation of E2F-target genes. 2003 , 228, 113-20	78
1925	Epigenetics and bipolar disorder: new opportunities and challenges. 2003 , 123C, 65-75	65
1924	The viral control of cellular acetylation signaling. 2003 , 25, 58-65	46
1923	Epigenomic replication: linking epigenetics to DNA replication. 2003 , 25, 647-56	138
1922	Cooperative interactions between epigenetic modifications and their function in the regulation of chromosome architecture. 2003 , 25, 792-7	23
1921	Structure and dynamics of nucleosomal DNA. 2003 , 68, 547-56	43
1920	Regulation of gene expression by biotin (review). 2003 , 14, 680-90	115
1919	Transcription activation by a PNA-peptide chimera in a mammalian cell extract. 2003 , 10, 909-16	28
1918	A novel series of histone deacetylase inhibitors incorporating hetero aromatic ring systems as connection units. 2003 , 13, 3817-20	37
1917	Mass spectrometric quantification of acetylation at specific lysines within the amino-terminal tail of histone H4. 2003 , 316, 23-33	150
1916	Transcriptional activation of the enterocyte differentiation marker intestinal alkaline phosphatase is associated with changes in the acetylation state of histone H3 at a specific site within its promoter region in vitro. 2003 , 7, 237-44; discussion 244-5	18
1915	Alpha-keto amides as inhibitors of histone deacetylase. 2003 , 13, 3331-5	70
1914	Two means of transcriptional reactivation within heterochromatin. 2003 , 33, 743-9	117
1913	IMB1, a bromodomain protein induced during seed imbibition, regulates ABA- and phyA-mediated responses of germination in <i>Arabidopsis</i> . 2003 , 35, 787-99	40
1912	State of histone modification in the rat Ig-beta/growth hormone locus. 2003 , 270, 2532-9	10

1911	Characterization of sequence variability in nucleosome core histone folds. 2003 , 52, 454-65	13
1910	SWI/SNF chromatin remodelling complex and retroviral gene silencing. 2003 , 13, 99-110	25
1909	A dimeric viral SET domain methyltransferase specific to Lys27 of histone H3. 2003 , 10, 187-96	78
1908	Rhythmic histone acetylation underlies transcription in the mammalian circadian clock. 2003 , 421, 177-82	545
1907	Coordinated histone modifications mediated by a CtBP co-repressor complex. 2003 , 422, 735-8	645
1906	Stimulation of c-MYC transcriptional activity and acetylation by recruitment of the cofactor CBP. 2003 , 4, 484-90	205
1905	Prognostic implications of epigenetic silencing of p15INK4B in acute promyelocytic leukemia. 2003 , 17, 839-40	4
1904	Cancer epigenetics. 2003 , 22, 6479-83	236
1903	Resetting the histone code at CDKN2A in HNSCC by inhibition of DNA methylation. 2003 , 22, 8902-11	49
1902	Silencing effect of CpG island hypermethylation and histone modifications on O6-methylguanine-DNA methyltransferase (MGMT) gene expression in human cancer. 2003 , 22, 8835-44	147
1901	Activated proliferation of B-cell lymphomas/leukemias with the SHP1 gene silencing by aberrant CpG methylation. 2003 , 83, 1849-58	58
1900	Memorable transcription. 2003 , 5, 390-3	33
1899	Histone H2AX phosphorylation is dispensable for the initial recognition of DNA breaks. 2003 , 5, 675-9	795
1898	A nuclear address with influence. 2003 , 34, 4-6	11
1897	Centrosomes as DNA damage regulators. 2003 , 34, 6-7	11
1896	Epigenetic interplay. 2003 , 34, 126-8	3
1895	The advantages of recombination. 2003 , 34, 128-9	13
1894	Epigenetic regulation of gene expression: how the genome integrates intrinsic and environmental signals. 2003 , 33 Suppl, 245-54	4561

1893	Tissue-specific nuclear architecture and gene expression regulated by SATB1. 2003 , 34, 42-51	331
1892	Gene segment selection in V(D)J recombination: accessibility and beyond. 2003 , 4, 624-30	143
1891	Active recruitment of DNA methyltransferases regulates interleukin 4 in thymocytes and T cells. 2003 , 4, 1183-90	132
1890	Memory and flexibility of cytokine gene expression as separable properties of human T(H)1 and T(H)2 lymphocytes. 2003 , 4, 78-86	296
1889	Regulating antigen-receptor gene assembly. 2003 , 3, 890-9	124
1888	Epigenetic silencing of RNA polymerase I transcription. 2003 , 4, 641-9	224
1887	Chromatin assembly by DNA-translocating motors. 2003 , 4, 613-20	101
1886	Chromatin history: our view from the bridge. 2003 , 4, 809-14	168
1885	Chromatin as a tool for the study of genome function in cancer. 2003 , 983, 5-21	21
1884	Histone deacetylases: unique players in shaping the epigenetic histone code. 2003 , 983, 84-100	572
1883	Epigenetics and the environment. 2003 , 983, 151-60	197
1882	Histone acetylation and gastrointestinal carcinogenesis. 2003 , 983, 220-31	116
1881	Early detection and risk assessment: proceedings and recommendations from the Workshop on Epigenetics in Cancer Prevention. 2003 , 983, 298-319	33
1880	Definitions in Epigenetics. 2003 , 983, 321-328	3
1879	Analysis of core histones by liquid chromatography-mass spectrometry and peptide mapping. 2003 , 783, 173-9	32
1878	An epigenetic road map for histone lysine methylation. 2003 , 116, 2117-24	537
1877	Natural selection and the evolution of genome imprinting. 2003 , 37, 349-70	48
1876	Reconstitution and transcriptional analysis of chromatin in vitro. 2004 , 377, 460-74	47

1875	Epigenetic theories of cancer initiation. 2003 , 90, 209-30	33
1874	Synthesis and biological evaluation of 3-(4-substituted-phenyl)-N-hydroxy-2-propenamides, a new class of histone deacetylase inhibitors. 2003 , 46, 5745-51	45
1873	An integrated approach to identifying chemically induced posttranslational modifications using comparative MALDI-MS and targeted HPLC-ESI-MS/MS. 2003 , 16, 598-608	41
1872	Gene silencing in cancer in association with promoter hypermethylation. 2003 , 349, 2042-54	2694
1871	Methods designed for the identification and characterization of in vitro and in vivo chromatin assembly mutants in <i>Saccharomyces cerevisiae</i> . 2003 , 5, 162-169	4
1870	Embryonic stem cell differentiation: a chromatin perspective. 2003 , 1, 100	43
1869	A role for cofactor-cofactor and cofactor-histone interactions in targeting p300, SWI/SNF and Mediator for transcription. 2003 , 22, 2146-55	149
1868	Differential role of p300 and CBP acetyltransferase during myogenesis: p300 acts upstream of MyoD and Myf5. 2003 , 22, 5186-96	118
1867	A chromosomal SIR2 homologue with both histone NAD-dependent ADP-ribosyltransferase and deacetylase activities is involved in DNA repair in <i>Trypanosoma brucei</i> . 2003 , 22, 5851-62	104
1866	Critical role of histone methylation in tumor suppressor gene silencing in colorectal cancer. 2003 , 23, 206-15	302
1865	Chromatin remodeling and neuronal response: multiple signaling pathways induce specific histone H3 modifications and early gene expression in hippocampal neurons. 2003 , 116, 4905-14	212
1864	The establishment, inheritance, and function of silenced chromatin in <i>Saccharomyces cerevisiae</i> . 2003 , 72, 481-516	609
1863	Local DNA damage by proton microbeam irradiation induces poly(ADP-ribose) synthesis in mammalian cells. 2003 , 18, 411-6	45
1862	Nucleotide excision repair from site-specifically platinum-modified nucleosomes. 2003 , 42, 6747-53	83
1861	In vitro modulation of the interaction between HA95 and LAP2beta by cAMP signaling. 2003 , 42, 10456-61	7
1860	Generation and characterization of antibodies directed against di-modified histones, and comments on antibody and epitope recognition. 2004 , 376, 221-34	22
1859	Generation and characterization of methyl-lysine histone antibodies. 2004 , 376, 234-54	83
1858	Functional analyses of chromatin modifications in yeast. 2004 , 377, 3-55	4

1857	Genetic and cytological analysis of <i>Drosophila</i> chromatin-remodeling factors. 2004 , 377, 70-85	24
1856	Histone modification patterns during gene activation. 2004 , 377, 130-53	15
1855	Global proteomic analysis of <i>S. cerevisiae</i> (GPS) to identify proteins required for histone modifications. 2004 , 377, 227-34	25
1854	Assay of Z-DNA induction by chromatin remodeling factors. 2004 , 377, 412-20	3
1853	Immuno-depletion and purification strategies to study chromatin-remodeling factors in vitro. 2004 , 377, 421-42	26
1852	N-CoR mediates DNA methylation-dependent repression through a methyl CpG binding protein Kaiso. 2003 , 12, 723-34	302
1851	Chromatin and epigenetics: dynamic organization meets regulated function. 2003 , 12, 281-6	5
1850	Upstream of Ikaros. 2003 , 24, 567-70	20
1849	HP1 binding to native chromatin in vitro is determined by the hinge region and not by the chromodomain. 2003 , 22, 3164-74	106
1848	HMGN dynamics and chromatin function. 2003 , 81, 113-22	27
1847	Repairing DNA damage in chromatin. 2003 , 85, 1133-47	57
1846	Characteristics of gamma-H2AX foci at DNA double-strand breaks sites. 2003 , 81, 123-9	386
1845	MSK1 and MSK2 mediate mitogen- and stress-induced phosphorylation of histone H3: a controversy resolved. 2003 , 2003, PE33	45
1844	Methylation dynamics of repetitive DNA elements in the mouse germ cell lineage. 2003 , 82, 230-7	126
1843	Crystal structure of tabtoxin resistance protein complexed with acetyl coenzyme A reveals the mechanism for beta-lactam acetylation. 2003 , 325, 1019-30	46
1842	Chromatin fiber folding: requirement for the histone H4 N-terminal tail. 2003 , 327, 85-96	407
1841	The fission yeast spSet1p is a histone H3-K4 methyltransferase that functions in telomere maintenance and DNA repair in an ATM kinase Rad3-dependent pathway. 2003 , 326, 1081-94	42
1840	MAP kinase-mediated phosphoacetylation of histone H3 and inducible gene regulation. 2003 , 546, 51-8	155

1839	Regulating the regulators: lysine modifications make their mark. 2003 , 112, 11-7	204
1838	Conserved histone variant H2A.Z protects euchromatin from the ectopic spread of silent heterochromatin. 2003 , 112, 725-36	501
1837	Apoptotic phosphorylation of histone H2B is mediated by mammalian sterile twenty kinase. 2003 , 113, 507-17	406
1836	Nuclear receptors: a rendezvous for chromatin remodeling factors. 2003 , 114, 277-80	102
1835	Estrogen receptor-alpha directs ordered, cyclical, and combinatorial recruitment of cofactors on a natural target promoter. 2003 , 115, 751-63	1368
1834	Gene expression and chromatin structure in the pre-implantation embryo. 2003 , 59, 3-19	95
1833	Mammalian epigenomics: reprogramming the genome for development and therapy. 2003 , 59, 21-32	95
1832	E2F and cell cycle control: a double-edged sword. 2003 , 412, 157-69	172
1831	The life of ribulose 1,5-bisphosphate carboxylase/oxygenase--posttranslational facts and mysteries. 2003 , 414, 150-8	82
1830	Mechanism of nucleosome disruption and octamer transfer by the chicken SWI/SNF-like complex. 2003 , 306, 72-8	5
1829	ePAD, an oocyte and early embryo-abundant peptidylarginine deiminase-like protein that localizes to egg cytoplasmic sheets. 2003 , 256, 73-88	117
1828	Relevance of histone acetylation and replication timing for deposition of centromeric histone CENP-A. 2003 , 285, 175-88	10
1827	Epigenetic gene silencing in cancer initiation and progression. 2003 , 190, 125-33	141
1826	Context-dependent transcription: all politics is local. 2003 , 313, 43-57	58
1825	Future strategies in psychiatric genetics. 2003 , 60, 215-7	6
1824	Cell brain abnormalities in cancer development. 2003 , 61, 120-5	3
1823	The centrosome-centered cell-brain in apoptosis. 2003 , 61, 126-32	9
1822	Purification of histone methyltransferases from HeLa cells. 2004 , 377, 213-26	25

1821	Loss of CpG methylation is strongly correlated with loss of histone H3 lysine 9 methylation at DMR-LIT1 in patients with Beckwith-Wiedemann syndrome. 2003 , 73, 948-56	39
1820	Identification of four highly conserved genes between breakpoint hotspots BP1 and BP2 of the Prader-Willi/Angelman syndromes deletion region that have undergone evolutionary transposition mediated by flanking duplicons. 2003 , 73, 898-925	167
1819	Role of histone H3 lysine 27 methylation in X inactivation. <i>Science</i> , 2003 , 300, 131-5	33-3 978
1818	Collaborative spirit of histone deacetylases in regulating chromatin structure and gene expression. 2003 , 13, 143-53	189
1817	Structure and dynamic behavior of nucleosomes. 2003 , 13, 127-35	232
1816	Histone modifications. 2003 , 31, 1-2	5
1815	Protein mass analysis of histones. 2003 , 31, 3-11	36
1814	Expression, purification, and analysis of MOZ and MORF histone acetyltransferases. 2003 , 31, 24-32	14
1813	Histone phosphorylation: how to proceed. 2003 , 31, 40-8	13
1812	In vivo assays to study histone ubiquitylation. 2003 , 31, 59-66	26
1811	Genomewide histone acetylation microarrays. 2003 , 31, 83-9	44
1810	Induction of somatic hypermutation is associated with modifications in immunoglobulin variable region chromatin. 2003 , 19, 479-89	86
1809	Immunity and the animation of the genome. 2003 , 19, 775-80	4
1808	Diverse functions of Polycomb group proteins during plant development. 2003 , 14, 77-84	37
1807	Multiple elements within the Xic regulate random X inactivation in mice. 2003 , 14, 85-92	28
1806	Epigenetic reprogramming in early mammalian development and following somatic nuclear transfer. 2003 , 14, 93-100	204
1805	A conserved RING finger protein required for histone H2B monoubiquitination and cell size control. 2003 , 11, 261-6	341
1804	Different sensitivities of bromodomain factors 1 and 2 to histone H4 acetylation. 2003 , 11, 353-63	169

1803	Bromodomains mediate an acetyl-histone encoded antisilencing function at heterochromatin boundaries. 2003 , 11, 365-76	201
1802	Histones are first hyperacetylated and then lose contact with the activated PHO5 promoter. 2003 , 11, 1599-607	340
1801	Structural basis for the product specificity of histone lysine methyltransferases. 2003 , 12, 177-85	277
1800	A viral mechanism for remodeling chromatin structure in G0 cells. 2003 , 12, 255-60	52
1799	Silencing in yeast rDNA chromatin: reciprocal relationship in gene expression between RNA polymerase I and II. 2003 , 12, 135-45	71
1798	Cracking the histone code: one, two, three methyls, you're out!. 2003 , 12, 3-4	40
1797	Structural basis for histone and phosphohistone binding by the GCN5 histone acetyltransferase. 2003 , 12, 461-73	123
1796	A two-tiered transcription regulation mechanism that protects germ cell identity. 2003 , 12, 1062-4	1
1795	Partitioning and plasticity of repressive histone methylation states in mammalian chromatin. 2003 , 12, 1577-89	899
1794	Histone methyltransferases direct different degrees of methylation to define distinct chromatin domains. 2003 , 12, 1591-8	641
1793	From flour to flower: how Polycomb group proteins influence multiple aspects of plant development. 2003 , 8, 439-45	63
1792	Histone deacetylases. 2003 , 3, 344-51	322
1791	Stealth technology: how Epstein-Barr virus utilizes DNA methylation to cloak itself from immune detection. 2003 , 109, 53-63	71
1790	DNA methylation and expression of major histocompatibility complex class I and class II transactivator genes in human developmental tumor cells and in T cell malignancies. 2003 , 109, 46-52	41
1789	Age-related epigenetic changes and the immune system. 2003 , 109, 103-8	155
1788	Profiling aberrant DNA methylation in hematologic neoplasms: a view from the tip of the iceberg. 2003 , 109, 80-8	116
1787	DNA methylation in the immune system. 2003 , 109, 2-5	36
1786	Cell walls, cell shape, and bacterial actin homologs. 2003 , 5, 4-5	4

1785	Dynamic glycosylation of the transcription factor CREB: a potential role in gene regulation. 2003 , 125, 6612-3	88
1784	Histone H1 and the dynamic regulation of chromatin function. 2003 , 81, 221-7	73
1783	Modulation of notch signaling during somitogenesis. 2003 , 19, 367-95	54
1782	Diabetes Mellitus. 2003 ,	3
1781	Analysis of histone phosphorylation: coupling intracellular signaling to chromatin remodeling. 2004 , 377, 197-212	10
1780	A haploid affair: core histone transitions during spermatogenesis. 2003 , 81, 131-40	63
1779	A proteomic analysis of arginine-methylated protein complexes. 2003 , 2, 1319-30	287
1778	During apoptosis of tumor cells HMGA1a protein undergoes methylation: identification of the modification site by mass spectrometry. 2003 , 42, 3575-85	47
1777	Molecular basis for Gcn5/PCAF histone acetyltransferase selectivity for histone and nonhistone substrates. 2003 , 42, 14366-74	61
1776	Cell Cycle Checkpoint Control Protocols. 2003 ,	
1775	Epigenetics and the renaissance of heresy. 2003 , 46, 963-7; discussion 968-73	13
1774	Acetylation and methylation in nuclear receptor gene activation. 2003 , 364, 205-23	23
1773	Modified fatty acids and their possible therapeutic targets in malignant diseases. 2003 , 7, 663-77	16
1772	DNA methylation patterns in cancer: novel prognostic indicators?. 2003 , 3, 245-60	17
1771	Epigenetic programming: an approach of embedding epigenetic learning via modification of histones in genetic programming.	
1770	Methyl-CpG binding domain 1 (MBD1) interacts with the Suv39h1-HP1 heterochromatic complex for DNA methylation-based transcriptional repression. 2003 , 278, 24132-8	208
1769	Reduced histone biotinylation in multiple carboxylase deficiency patients: a nuclear role for holocarboxylase synthetase. 2004 , 13, 15-23	104
1768	Familial aggregation of abnormal methylation of parental alleles at the IGF2/H19 and IGF2R differentially methylated regions. 2003 , 12, 1569-78	81

1767	The interplay between the glucocorticoid receptor and nuclear factor-kappaB or activator protein-1: molecular mechanisms for gene repression. 2003 , 24, 488-522	707
1766	Phosphorylation of RNA polymerase II CTD regulates H3 methylation in yeast. 2003 , 17, 654-63	331
1765	Preferential binding of the histone (H3-H4) ₂ tetramer by NAP1 is mediated by the amino-terminal histone tails. 2003 , 278, 44574-83	87
1764	Global methylation screening in the Arabidopsis thaliana and Mus musculus genome: applications of virtual image restriction landmark genomic scanning (Vi-RLGS). 2003 , 31, 4490-6	39
1763	The Paf1 complex is essential for histone monoubiquitination by the Rad6-Bre1 complex, which signals for histone methylation by COMPASS and Dot1p. 2003 , 278, 34739-42	293
1762	Sequence analysis of a functional Drosophila centromere. 2003 , 13, 182-94	144
1761	Regulation of chromatin remodeling by inositol polyphosphates. <i>Science</i> , 2003 , 299, 114-6	33:3 308
1760	Inhibition of p300/CBP by early B-cell factor. 2003 , 23, 3837-46	37
1759	Yeast enhancer of polycomb defines global Esa1-dependent acetylation of chromatin. 2003 , 17, 1415-28	164
1758	Dose-dependent blockade to cardiomyocyte hypertrophy by histone deacetylase inhibitors. 2003 , 278, 28930-7	215
1757	Genomewide demarcation of RNA polymerase II transcription units revealed by physical fractionation of chromatin. 2003 , 100, 6364-9	95
1756	Suppressed catalytic activity of base excision repair enzymes on rotationally positioned uracil in nucleosomes. 2003 , 100, 7465-70	117
1755	DNA-PK is activated by nucleosomes and phosphorylates H2AX within the nucleosomes in an acetylation-dependent manner. 2003 , 31, 6819-27	110
1754	Transcriptional regulation by histone ubiquitination and deubiquitination. 2003 , 17, 2733-40	307
1753	Erasure of CpG methylation in Arabidopsis alters patterns of histone H3 methylation in heterochromatin. 2003 , 100, 8823-7	253
1752	Enrichment for histone H3 lysine 9 methylation at Alu repeats in human cells. 2003 , 278, 27658-62	96
1751	Genomics. Molecular prodigality. <i>Science</i> , 2003 , 299, 1189-90	33:3 27
1750	Visualization of chromatin domains created by the gypsy insulator of Drosophila. 2003 , 162, 565-74	131

1749	Isotype-restricted corepressor recruitment: a constitutively closed helix 12 conformation in retinoic acid receptors beta and gamma interferes with corepressor recruitment and prevents transcriptional repression. 2003 , 23, 2844-58	54
1748	Acetylation-dependent chromatin reorganization by BRDT, a testis-specific bromodomain-containing protein. 2003 , 23, 5354-65	216
1747	Covalent histone modifications underlie the developmental regulation of insulin gene transcription in pancreatic beta cells. 2003 , 278, 23617-23	118
1746	Phosphorylation of serine 10 in histone H3, what for?. 2003 , 116, 3677-85	362
1745	Phosphorylation of histone H3 during transcriptional activation depends on promoter structure. 2003 , 17, 43-8	48
1744	Biochemical isolation and analysis of a nuclear receptor corepressor complex. 2003 , 364, 246-57	8
1743	The mammalian SIR2alpha protein has a role in embryogenesis and gametogenesis. 2003 , 23, 38-54	516
1742	Temporal expression of cell cycle-related proteins during spermatogenesis: establishing a timeline for onset of the meiotic divisions. 2003 , 103, 277-84	61
1741	Developmentally regulated recruitment of transcription factors and chromatin modification activities to chicken lysozyme cis-regulatory elements in vivo. 2003 , 23, 4386-400	52
1740	The N-CoR/histone deacetylase 3 complex is required for repression by thyroid hormone receptor. 2003 , 23, 5122-31	171
1739	Protein phosphatase 2A activity affects histone H3 phosphorylation and transcription in <i>Drosophila melanogaster</i> . 2003 , 23, 6129-38	88
1738	Replication-independent assembly of nucleosome arrays in a novel yeast chromatin reconstitution system involves antisilencing factor Asf1p and chromodomain protein Chd1p. 2003 , 23, 7937-46	53
1737	Changes in histone acetylation are associated with differences in accessibility of V(H) gene segments to V-DJ recombination during B-cell ontogeny and development. 2003 , 23, 2438-50	98
1736	The nonessential H2A N-terminal tail can function as an essential charge patch on the H2A.Z variant N-terminal tail. 2003 , 23, 2778-89	28
1735	MCAF mediates MBD1-dependent transcriptional repression. 2003 , 23, 2834-43	69
1734	Targeted recruitment of a histone H4-specific methyltransferase by the transcription factor YY1. 2003 , 17, 1019-29	134
1733	Regulated recruitment of HP1 to a euchromatic gene induces mitotically heritable, epigenetic gene silencing: a mammalian cell culture model of gene variegation. 2003 , 17, 1855-69	275
1732	Histone H1 is required for proper regulation of pyruvate decarboxylase gene expression in <i>Neurospora crassa</i> . 2003 , 2, 341-50	36

1731	Mammalian linker-histone subtypes differentially affect gene expression in vivo. 2003 , 100, 5920-5	94
1730	Activation domain-mediator interactions promote transcription preinitiation complex assembly on promoter DNA. 2003 , 100, 12003-8	82
1729	Interferon-stimulated transcription and innate antiviral immunity require deacetylase activity and histone deacetylase 1. 2003 , 100, 14742-7	224
1728	Latency-associated nuclear antigen of Kaposi's sarcoma-associated herpesvirus functionally interacts with heterochromatin protein 1. 2003 , 278, 7397-405	68
1727	Intra- and inter-nucleosomal protein-DNA interactions of the core histone tail domains in a model system. 2003 , 278, 24217-24	60
1726	Mi-2 beta associates with BRG1 and RET finger protein at the distinct regions with transcriptional activating and repressing abilities. 2003 , 278, 51638-45	61
1725	Effects of tethering HP1 to euchromatic regions of the Drosophila genome. 2003 , 130, 1817-24	110
1724	mSin3-associated protein, mSds3, is essential for pericentric heterochromatin formation and chromosome segregation in mammalian cells. 2003 , 17, 2396-405	74
1723	Molecular aspects of XY body formation. 2003 , 103, 245-55	59
1722	BIR-1, a Caenorhabditis elegans homologue of Survivin, regulates transcription and development. 2003 , 100, 5240-5	10
1721	Heterochromatin: stable and unstable invasions at home and abroad. 2003 , 17, 1805-12	40
1720	Set2-catalyzed methylation of histone H3 represses basal expression of GAL4 in Saccharomyces cerevisiae. 2003 , 23, 5972-8	53
1719	Activating signal cointegrator 2 belongs to a novel steady-state complex that contains a subset of trithorax group proteins. 2003 , 23, 140-9	190
1718	Genetic and epigenetic aspects of somaclonal variation: flower colour bud sports in azalea, a case study. 2003 , 69, 117-128	8
1717	Reactivation of silenced genes and transcriptional therapy. 2003 , 100, 56-64	12
1716	DNA hypermethylation in Drosophila melanogaster causes irregular chromosome condensation and dysregulation of epigenetic histone modifications. 2003 , 23, 2577-86	29
1715	The MYST family of histone acetyltransferases. 2003 , 274, 203-36	92
1714	Insights into structure and function of GCN5/PCAF and yEsa 1 histone acetyltransferase domains. 2003 , 371, 545-64	9

1713	The eukaryotic genome: a system regulated at different hierarchical levels. 2003 , 116, 4067-75	152
1712	Basal chromatin modification at the IL-4 gene in helper T cells. 2003 , 171, 6672-9	32
1711	Involvement of nucleocytoplasmic shuttling of yeast Nap1 in mitotic progression. 2003 , 23, 6672-84	51
1710	Histone acetylation/deacetylation as a regulator of cell cycle gene expression. 2004 , 241, 207-16	10
1709	Maintenance of stable heterochromatin domains by dynamic HP1 binding. <i>Science</i> , 2003 , 299, 721-5	33.3 483
1708	Histone H2AX in DNA damage and repair. 2003 , 2, 233-5	245
1707	Cell cycle behavior of human HP1 subtypes: distinct molecular domains of HP1 are required for their centromeric localization during interphase and metaphase. 2003 , 116, 3327-38	115
1706	Disruption mutations of ADA2b and GCN5 transcriptional adaptor genes dramatically affect Arabidopsis growth, development, and gene expression. 2003 , 15, 626-38	231
1705	Changes in histone acetylation during mouse oocyte meiosis. 2003 , 162, 37-46	237
1704	The double bromodomain protein Brd4 binds to acetylated chromatin during interphase and mitosis. 2003 , 100, 8758-63	491
1703	Human Sin3 deacetylase and trithorax-related Set1/Ash2 histone H3-K4 methyltransferase are tethered together selectively by the cell-proliferation factor HCF-1. 2003 , 17, 896-911	308
1702	Deacetylase activity is required for cAMP activation of a subset of CREB target genes. 2003 , 278, 43014-9	103
1701	Identification of Uhp1, a ubiquitinated histone-like protein, as a target/mediator of Rhp6 in mating-type silencing in fission yeast. 2003 , 278, 9185-94	15
1700	Molecular biology. MeCP2 repression goes nonglobal. <i>Science</i> , 2003 , 302, 793-5	33.3 63
1699	MyoD is functionally linked to the silencing of a muscle-specific regulatory gene prior to skeletal myogenesis. 2003 , 100, 1735-9	128
1698	Tousled-like kinase functions with the chromatin assembly pathway regulating nuclear divisions. 2003 , 17, 2578-90	70
1697	H2AX is required for recombination between immunoglobulin switch regions but not for intra-switch region recombination or somatic hypermutation. 2003 , 197, 1767-78	235
1696	Tax recruitment of CBP/p300, via the KIX domain, reveals a potent requirement for acetyltransferase activity that is chromatin dependent and histone tail independent. 2003 , 23, 3392-404	43

1695	Progesterone and glucocorticoid receptors recruit distinct coactivator complexes and promote distinct patterns of local chromatin modification. 2003 , 23, 3763-73	204
1694	Deficient in DNA methylation 1 (DDM1) defines a novel family of chromatin-remodeling factors. 2003 , 278, 823-8	145
1693	Global control of histone modification by the anaphase-promoting complex. 2003 , 23, 9136-49	26
1692	Molecular basis for the discrimination of repressive methyl-lysine marks in histone H3 by Polycomb and HP1 chromodomains. 2003 , 17, 1870-81	758
1691	Nuclear and Extranuclear DNA in Insects. 2003 , 50-75	
1690	Histone methyltransferases in tumor suppression. 2003 , 2, 491-9	29
1689	The SIN3 deacetylase complex represses genes encoding mitochondrial proteins: implications for the regulation of energy metabolism. 2003 , 278, 37840-8	65
1688	Communication between NF-kappa B and Sp1 controls histone acetylation within the proximal promoter of the monocyte chemoattractant protein 1 gene. 2003 , 170, 4139-47	77
1687	Comparative analysis of SET domain proteins in maize and Arabidopsis reveals multiple duplications preceding the divergence of monocots and dicots. 2003 , 132, 907-25	136
1686	Post-TATA binding protein recruitment clearance of Gcn5-dependent histone acetylation within promoter nucleosomes. 2003 , 23, 7809-17	6
1685	Role of the M-loop and reactive center loop domains in the folding and bridging of nucleosome arrays by MENT. 2003 , 278, 43384-93	41
1684	Involvement of the histone deacetylase SIRT1 in chicken ovalbumin upstream promoter transcription factor (COUP-TF)-interacting protein 2-mediated transcriptional repression. 2003 , 278, 43041-50	108
1683	Direct interaction of Ca ²⁺ /calmodulin inhibits histone deacetylase 5 repressor core binding to myocyte enhancer factor 2. 2003 , 278, 17625-35	39
1682	Non-traditional functions of ubiquitin and ubiquitin-binding proteins. 2003 , 278, 35857-60	326
1681	Yaf9, a novel NuA4 histone acetyltransferase subunit, is required for the cellular response to spindle stress in yeast. 2003 , 23, 6086-102	75
1680	The Set2 histone methyltransferase functions through the phosphorylated carboxyl-terminal domain of RNA polymerase II. 2003 , 278, 8897-903	282
1679	Direct association of p300 with unmodified H3 and H4 N termini modulates p300-dependent acetylation and transcription of nucleosomal templates. 2003 , 278, 1504-10	22
1678	mSin3A/histone deacetylase 2- and PRMT5-containing Brg1 complex is involved in transcriptional repression of the Myc target gene cad. 2003 , 23, 7475-87	209

1677	Nucleosome sliding induced by the xMi-2 complex does not occur exclusively via a simple twist-diffusion mechanism. 2003 , 278, 30562-8	16
1676	A decline in the levels of progesterone receptor coactivators in the pregnant uterus at term may antagonize progesterone receptor function and contribute to the initiation of parturition. 2003 , 100, 9518-23	233
1675	The c-myc insulator element and matrix attachment regions define the c-myc chromosomal domain. 2003 , 23, 9338-48	69
1674	The DNA methyltransferases associate with HP1 and the SUV39H1 histone methyltransferase. 2003 , 31, 2305-12	550
1673	Shear stress-mediated chromatin remodeling provides molecular basis for flow-dependent regulation of gene expression. 2003 , 93, 155-61	103
1672	Rfm1, a novel tethering factor required to recruit the Hst1 histone deacetylase for repression of middle sporulation genes. 2003 , 23, 2009-16	62
1671	In-house cDNA microarray analysis of gene expression profiles involved in SCC cell lines. 2003 , 12, 429	
1670	Nongenic transcription, gene regulation and action at a distance. 2003 , 116, 4483-91	59
1669	Cell cycle modulation of gene targeting by a triple helix-forming oligonucleotide. 2003 , 278, 11072-7	53
1668	Chromatin remodeling and cancer. 2003 , 2, 22-9	113
1667	Chromatin remodeling and modification during HIV-1 Tat-activated transcription. 2003 , 1, 343-62	67
1666	Maintaining transcriptional states through DNA replication. 2003 , 2, 521-4	2
1665	The histone code regulating expression of the imprinted mouse Igf2r gene. 2003 , 144, 5658-70	57
1664	Retinoic acid receptors beta and gamma do not repress, but instead activate target gene transcription in both the absence and presence of hormone ligand. 2003 , 17, 373-85	54
1663	Transcriptional activation by thyroid hormone receptor-beta involves chromatin remodeling, histone acetylation, and synergistic stimulation by p300 and steroid receptor coactivators. 2003 , 17, 908-22	28
1662	Chromatin immunoprecipitation using isolated islets of Langerhans. 2003 , 83, 61-71	2
1661	Modulation of splicing events in histone deacetylase 3 by various extracellular and signal transduction pathways. 2003 , 11, 13-21	11
1660	Mechanisms of insulator function in gene regulation and genomic imprinting. 2003 , 232, 89-127	20

1659	Insulation of the chicken beta-globin chromosomal domain from a chromatin-condensing protein, MENT. 2003 , 23, 6455-68	29
1658	Cdx homeodomain proteins in vertebral patterning. 2003 , 69-105	2
1657	Heterochromatin, position effects, and the genetic dissection of chromatin. 2003 , 74, 275-99	12
1656	Organization of cell-regulatory systems through modular-protein-interaction domains. 2003 , 361, 1251-62	17
1655	Molecular sequelae of histone deacetylase inhibition in human malignant B cells. 2003 , 101, 4055-62	274
1654	Developmental stage-specific epigenetic control of human beta-globin gene expression is potentiated in hematopoietic progenitor cells prior to their transcriptional activation. 2003 , 102, 3989-97	55
1653	Glucocorticoid suppression of nuclear factor-kappa B: a role for histone modifications. 2003 , 31, 60-5	44
1652	Developmental dynamics: toward a biologically plausible evolutionary psychology. 2003 , 129, 819-35	328
1651	Transcriptional silencing of geminiviral promoter-driven transgenes following homologous virus infection. 2003 , 16, 429-38	54
1650	Evidence for DNA translocation by the ISWI chromatin-remodeling enzyme. 2003 , 23, 1935-45	121
1649	. 2003 ,	5
1648	[The epigenetic code of histones]. 2003 , 19, 955-9	1
1647	Nuclear receptor corepressors. 2003 , 1, e001	68
1646	Analysis of histone deposition on specific DNA elements in living mammalian cells. 2003 , 35, 326-32	3
1645	[Activation of gene transcription]. 2004 , 20, 391-3	
1644	Injury-associated differential regulation of histone expression and modification in the thymus of mice. 2004 , 229, 327-34	0
1643	Estrogen receptors and anti-estrogen therapies. 2004 , 119, 271-92	1
1642	. 2004 ,	2

1641	Promoters and control elements: designing expression cassettes for gene therapy. 2004 , 4, 89-113	128
1640	Characterization of Constitutive Heterochromatin, in Particular of Fluorescence Polymorphisms, in a Central European Population. 2004 , 4, 1-10	9
1639	Mechanism of Gene Expression Reprogramming during Meiotic Maturation and Pre-Implantation Development. 2004 , 21, 89-96	4
1638	Posttranslational modifications of histones by methylation. 2004 , 67, 201-22	48
1637	Paradoxical role of methyl-CpG-binding protein 2 in Rett syndrome. 2004 , 59, 61-86	14
1636	Nuclear receptor recruitment of histone-modifying enzymes to target gene promoters. 2004 , 68, 93-122	41
1635	Histone modifications in corepressor functions. 2004 , 59, 145-63	13
1634	Dependence of ORC silencing function on NatA-mediated Nalpha acetylation in <i>Saccharomyces cerevisiae</i> . 2004 , 24, 10300-12	42
1633	Remodeling Chromatin in the Biology and Treatment of Acute Leukemia. 2004 , 02, 109-118	
1632	BRG1 controls the activity of the retinoblastoma protein via regulation of p21CIP1/WAF1/SDI. 2004 , 24, 1188-99	104
1631	Visualization of unconstrained negative supercoils of DNA on polytene chromosomes of <i>Drosophila</i> . 2004 , 117, 3797-805	46
1630	Myelodysplastic syndromes. 2004 , 2004, 297-317	93
1629	Inhibition of histone deacetylases. 2004 , 287, 87-97	4
1628	Epigenetic regulation of protein phosphatase 2A (PP2A), lymphotactin (XCL1) and estrogen receptor alpha (ER) expression in human breast cancer cells. 2004 , 3, 1304-12	30
1627	Epigenetic modifications at the human growth hormone locus predict distinct roles for histone acetylation and methylation in placental gene activation. 2004 , 18, 1018-32	50
1626	Coregulator recruitment and histone modifications in transcriptional regulation by the androgen receptor. 2004 , 18, 2633-48	154
1625	Linearity versus cross-talk: biological models and the role of the Society for Pediatric Research in the 21st century. 2004 , 56, 177-83	
1624	Glucocorticoids: effects on gene transcription. 2004 , 1, 247-54	118

1623	HMGA proteins: multifaceted players in nuclear function. 2004 , 155-180	
1622	Crystal structure of a eukaryotic zinc-dependent histone deacetylase, human HDAC8, complexed with a hydroxamic acid inhibitor. 2004 , 101, 15064-9	533
1621	Multigenerational selection and detection of altered histone acetylation and methylation patterns: toward a quantitative epigenetics in <i>Drosophila</i> . 2004 , 287, 151-68	14
1620	The Mechanism of the Anti-Tumor Activity of the Histone Deacetylase Inhibitor, Suberoylanilide Hydroxamic Acid (SAHA). 2004 , 3, 532-533	36
1619	FoxA proteins regulate H19 endoderm enhancer E1 and exhibit developmental changes in enhancer binding in vivo. 2004 , 24, 9601-9	15
1618	Mass spectrometry analysis of <i>Arabidopsis</i> histone H3 reveals distinct combinations of post-translational modifications. 2004 , 32, 6511-8	175
1617	Chromatin-level regulation of the IL10 gene in T cells. 2004 , 279, 46818-25	86
1616	Phosphorylation of the histone deacetylase 7 modulates its stability and association with 14-3-3 proteins. 2004 , 279, 34201-8	63
1615	Histone H4 hyperacetylation precludes histone H4 lysine 20 trimethylation. 2004 , 279, 53458-64	54
1614	Histone H3 lysine 9 methylation is required for DNA elimination in developing macronuclei in <i>Tetrahymena</i> . 2004 , 101, 1679-84	134
1613	Histone-Deacetylase Inhibitors for the Treatment of Cancer. 2004 , 3, 777-786	110
1612	During lytic infection herpes simplex virus type 1 is associated with histones bearing modifications that correlate with active transcription. 2004 , 78, 10178-86	132
1611	Characterization of <i>Tetrahymena</i> histone H2B variants and posttranslational populations by electron capture dissociation (ECD) Fourier transform ion cyclotron mass spectrometry (FT-ICR MS). 2004 , 3, 872-86	81
1610	Rad6-Bre1-mediated histone H2B ubiquitylation modulates the formation of double-strand breaks during meiosis. 2004 , 101, 11380-5	97
1609	A mechanism related to the yeast transcriptional regulator Paf1c is required for expression of the <i>Arabidopsis</i> FLC/MAF MADS box gene family. 2004 , 16, 2940-53	142
1608	The role of chromatin in molecular mechanisms of toxicity. 2004 , 80, 218-24	20
1607	Remodelling chromatin on a global scale: a novel protective function of p53. 2004 , 25, 1551-7	37
1606	Centromeric repositioning of coreceptor loci predicts their stable silencing and the CD4/CD8 lineage choice. 2004 , 200, 1437-44	39

1605	Cotreatment with histone deacetylase inhibitor LAQ824 enhances Apo-2L/tumor necrosis factor-related apoptosis inducing ligand-induced death inducing signaling complex activity and apoptosis of human acute leukemia cells. 2004 , 64, 2580-9	196
1604	Histone deacetylase inhibitors and cancer therapy. 2004 , 16 Suppl 4, 64-7	19
1603	A novel protein with similarities to Rb binding protein 2 compensates for loss of Chk1 function and affects histone modification in fission yeast. 2004 , 24, 3660-9	40
1602	Specific histone tail modification and not DNA methylation is a determinant of herpes simplex virus type 1 latent gene expression. 2004 , 78, 1139-49	134
1601	Chromosomal proteins HMGN3a and HMGN3b regulate the expression of glycine transporter 1. 2004 , 24, 3747-56	43
1600	TOUSLED kinase activity oscillates during the cell cycle and interacts with chromatin regulators. 2004 , 134, 1488-99	49
1599	Redundant roles for histone H3 N-terminal lysine residues in subtelomeric gene repression in <i>Saccharomyces cerevisiae</i> . 2004 , 167, 1123-32	58
1598	Genome wide, supercoiling-dependent in vivo binding of a viral protein involved in DNA replication and transcriptional control. 2004 , 32, 2306-14	12
1597	Alteration of chromosome positioning during adipocyte differentiation. 2004 , 117, 5897-903	93
1596	Histone deacetylases 5 and 9 govern responsiveness of the heart to a subset of stress signals and play redundant roles in heart development. 2004 , 24, 8467-76	497
1595	Epigenetics and cancer. 2004 , 18, 2315-35	352
1594	Isolation and characterization of a novel DNA methyltransferase complex linking DNMT3B with components of the mitotic chromosome condensation machinery. 2004 , 32, 2716-29	98
1593	Evidence of a transcriptional co-activator function of cohesin STAG/SA/Scc3. 2004 , 279, 6553-9	35
1592	Coordination of cell signaling, chromatin remodeling, histone modifications, and regulator recruitment in human matrix metalloproteinase 9 gene transcription. 2004 , 24, 5496-509	110
1591	Analysis of a mutant histone H3 that perturbs the association of Swi/Snf with chromatin. 2004 , 24, 561-72	37
1590	Factors binding a non-classical Cis-element prevent heterochromatin effects on locus control region activity. 2004 , 279, 17842-9	8
1589	Dynamic histone modifications mark sex chromosome inactivation and reactivation during mammalian spermatogenesis. 2004 , 101, 16583-7	138
1588	Identification, mutational analysis, and coactivator requirements of two distinct transcriptional activation domains of the <i>Saccharomyces cerevisiae</i> Hap4 protein. 2004 , 3, 339-47	17

1587	Characterization of four autonomous repression domains in the corepressor receptor interacting protein 140. 2004 , 279, 15645-51	53
1586	Activating and silencing histone modifications form independent allelic switch regions in the imprinted Gnas gene. 2004 , 13, 741-50	21
1585	The herpes simplex virus type 1 latency-associated transcript (LAT) enhancer/rcr is hyperacetylated during latency independently of LAT transcription. 2004 , 78, 12508-18	103
1584	Small RNA-mediated chromatin modification and transcriptional gene silencing. 2004 , 2, 351-367	1
1583	Nuclear reprogramming in mammalian somatic cell nuclear cloning. 2004 , 105, 285-91	38
1582	Protein kinases C and D mediate agonist-dependent cardiac hypertrophy through nuclear export of histone deacetylase 5. 2004 , 24, 8374-85	457
1581	Yeast chromatin assembly complex 1 protein excludes nonacetyltable forms of histone H4 from chromatin and the nucleus. 2004 , 24, 10180-92	36
1580	Formation of boundaries of transcriptionally silent chromatin by nucleosome-excluding structures. 2004 , 24, 2118-31	69
1579	Eukaryotic MCM proteins: beyond replication initiation. 2004 , 68, 109-31	390
1578	Carcinogenesis Young Investigator Award. Telomere epigenetics: a higher-order control of telomere length in mammalian cells. 2004 , 25, 1083-7	31
1577	Comparative genomics of transcriptional control in the human malaria parasite Plasmodium falciparum. 2004 , 14, 1548-54	192
1576	Tissue-specific and imprinted epigenetic modifications of the human NDN gene. 2004 , 32, 3376-82	39
1575	Functional role of G9a-induced histone methylation in small heterodimer partner-mediated transcriptional repression. 2004 , 32, 6096-103	53
1574	Chromatin immunoprecipitation microarrays for identification of genes silenced by histone H3 lysine 9 methylation. 2004 , 101, 7398-403	136
1573	Recruitment of distinct chromatin-modifying complexes by tamoxifen-complexed estrogen receptor at natural target gene promoters in vivo. 2004 , 279, 15050-8	102
1572	Class II major histocompatibility complex transactivator (CIITA) inhibits matrix metalloproteinase-9 gene expression. 2004 , 279, 38577-89	37
1571	Structure of the conserved core of the yeast Dot1p, a nucleosomal histone H3 lysine 79 methyltransferase. 2004 , 279, 43296-306	98
1570	A nonenzymatic modification of the amino-terminal domain of histone H3 by bile acid acyl adenylate. 2004 , 279, 55034-41	18

1569	Human DNA methyltransferase 1 is required for maintenance of the histone H3 modification pattern. 2004 , 279, 37175-84	148
1568	A signaling role of histone-binding proteins and INHAT subunits pp32 and Set/TAF-Ibeta in integrating chromatin hypoacetylation and transcriptional repression. 2004 , 279, 30850-5	72
1567	ICBS: a database of interactions between protein chains mediated by beta-sheet formation. 2004 , 20, 2767-77	50
1566	Sequential histone modifications at Hoxd4 regulatory regions distinguish anterior from posterior embryonic compartments. 2004 , 24, 8090-103	60
1565	In vitro targeting reveals intrinsic histone tail specificity of the Sin3/histone deacetylase and N-CoR/SMRT corepressor complexes. 2004 , 24, 2364-72	39
1564	The parent-of-origin effect of 10q22 in pre-eclamptic females coincides with two regions clustered for genes with down-regulated expression in androgenetic placentas. 2004 , 10, 589-98	104
1563	DNA methylation and chromatin structure. 2004 , 39, 309-341	2
1562	Polycomb Group Proteins in Cell Cycle Progression and Cancer. 2004 , 3, 394-398	72
1561	Specific histone patterns and acetylase/deacetylase activity at the breakpoint-cluster region of the human MLL gene. 2004 , 64, 2656-62	18
1560	Microarray profiling of the effects of histone deacetylase inhibitors on gene expression in cancer cell lines. 2004 , 24, 773-95	39
1559	Uteroplacental insufficiency induces site-specific changes in histone H3 covalent modifications and affects DNA-histone H3 positioning in day 0 IUGR rat liver. 2004 , 20, 108-16	102
1558	Altered epigenetic signals in human disease. 2004 , 3, 831-7	18
1557	Acknowledge reversible acetylation. 2004 , 2004, pe42	35
1556	A Role for the RSC Chromatin Remodeler in Regulating Cohesion of Sister Chromatid Arms. 2004 , 3, 971-973	19
1555	The post-translational modifications of proliferating cell nuclear antigen: acetylation, not phosphorylation, plays an important role in the regulation of its function. 2004 , 279, 20194-9	103
1554	Cisplatin-induced post-translational modification of histones H3 and H4. 2004 , 279, 20622-5	45
1553	Proendocrine genes coordinate the pancreatic islet differentiation program in vitro. 2004 , 101, 13245-50	127
1552	Phosphorylation of histone H2A inhibits transcription on chromatin templates. 2004 , 279, 21866-72	49

1551	Arabidopsis histone deacetylase HDA6 is required for maintenance of transcriptional gene silencing and determines nuclear organization of rDNA repeats. 2004 , 16, 1021-34	225
1550	ORC, MCM, and histone hyperacetylation at the Kaposi's sarcoma-associated herpesvirus latent replication origin. 2004 , 78, 12566-75	156
1549	Dynamic chromatin boundaries delineate a latency control region of Epstein-Barr virus. 2004 , 78, 12308-19	64
1548	IRF-2 is involved in up-regulation of nonmuscle myosin heavy chain II-A gene expression during phorbol ester-induced promyelocytic HL-60 differentiation. 2004 , 279, 56042-52	9
1547	Functions for <i>S. cerevisiae</i> Swd2p in 3' end formation of specific mRNAs and snoRNAs and global histone 3 lysine 4 methylation. 2004 , 10, 965-77	52
1546	Epigenetic aspects of differentiation. 2004 , 117, 4355-63	131
1545	Elongation by RNA polymerase II: the short and long of it. 2004 , 18, 2437-68	547
1544	The Yaf9 component of the SWR1 and NuA4 complexes is required for proper gene expression, histone H4 acetylation, and Htz1 replacement near telomeres. 2004 , 24, 9424-36	91
1543	Regulation of histone H3 lysine 9 methylation in oocytes and early pre-implantation embryos. 2004 , 131, 2269-80	169
1542	Requirement of histone deacetylase activity for signaling by STAT1. 2004 , 279, 30358-68	143
1541	The origin recognition complex and Sir4 protein recruit Sir1p to yeast silent chromatin through independent interactions requiring a common Sir1p domain. 2004 , 24, 774-86	62
1540	Histone fold protein Dls1p is required for Isw2-dependent chromatin remodeling in vivo. 2004 , 24, 2605-13	43
1539	Carbohydrates induce mono-ubiquitination of H2B in yeast. 2004 , 279, 1577-80	24
1538	Histone H2A phosphorylation controls Crb2 recruitment at DNA breaks, maintains checkpoint arrest, and influences DNA repair in fission yeast. 2004 , 24, 6215-30	172
1537	Discrete roles for histone acetylation in human T helper 1 cell-specific gene expression. 2004 , 279, 40640-6	58
1536	Linking histone deacetylation with the repair of DNA breaks. 2004 , 101, 1427-8	33
1535	Ring1b-mediated H2A ubiquitination associates with inactive X chromosomes and is involved in initiation of X inactivation. 2004 , 279, 52812-5	192
1534	High- and low-mobility populations of HP1 in heterochromatin of mammalian cells. 2004 , 15, 2819-33	136

1533	Nature of the accessible chromatin at a glucocorticoid-responsive enhancer. 2004 , 24, 7891-901	26
1532	MDR1, chemotherapy and chromatin remodeling. 2004 , 3, 819-24	43
1531	ATP-dependent remodeling by SWI/SNF and ISWI proteins stimulates V(D)J cleavage of 5 S arrays. 2004 , 279, 35360-7	42
1530	A functional genomic screen for cardiogenic genes using RNA interference in developing <i>Drosophila</i> embryos. 2004 , 101, 159-64	89
1529	Promoter-restricted histone code, not the differentially methylated DNA regions or antisense transcripts, marks the imprinting status of IGF2R in human and mouse. 2004 , 13, 2233-45	59
1528	Histone deacetylase (HDAC) inhibitor activation of p21WAF1 involves changes in promoter-associated proteins, including HDAC1. 2004 , 101, 1241-6	508
1527	Retrovirus silencing, variegation, extinction, and memory are controlled by a dynamic interplay of multiple epigenetic modifications. 2004 , 10, 27-36	113
1526	Targeted analysis and discovery of posttranslational modifications in proteins from methanogenic archaea by top-down MS. 2004 , 101, 2678-83	85
1525	The CD4/CD8 lineage choice: new insights into epigenetic regulation during T cell development. 2004 , 83, 55-89	39
1524	Imprinting and seed development. 2004 , 16 Suppl, S203-13	139
1523	Molecular Targeting and Signal Transduction. 2004 ,	
1522	SUMO and ubiquitin in the nucleus: different functions, similar mechanisms?. 2004 , 18, 2046-59	571
1521	Human SWI/SNF-associated PRMT5 methylates histone H3 arginine 8 and negatively regulates expression of ST7 and NM23 tumor suppressor genes. 2004 , 24, 9630-45	470
1520	Cross-talk between xenobiotic detoxication and other signalling pathways: clinical and toxicological consequences. 2004 , 34, 633-64	54
1519	Ectopic expression of the NtSET1 histone methyltransferase inhibits cell expansion, and affects cell division and differentiation in tobacco plants. 2004 , 45, 1715-9	16
1518	Trichostatin A reduces hormone-induced transcription of the MMTV promoter and has pleiotropic effects on its chromatin structure. 2004 , 271, 1153-62	14
1517	K8 and K12 are biotinylated in human histone H4. 2004 , 271, 2257-63	84
1516	The role of histones in chromatin remodelling during mammalian spermiogenesis. 2004 , 271, 3459-69	189

1515	Epigenetic alteration by the chemical substances, food and environmental factors. 2004 , 3, 115-121	10
1514	Chromatin techniques for plant cells. 2004 , 39, 776-89	285
1513	Molecular characterization of the tobacco SET domain protein NtSET1 unravels its role in histone methylation, chromatin binding, and segregation. 2004 , 40, 699-711	49
1512	Histone deacetylation is required for progression through mitosis in tobacco cells. 2005 , 41, 346-52	39
1511	Dopamine D2-like antagonists induce chromatin remodeling in striatal neurons through cyclic AMP-protein kinase A and NMDA receptor signaling. 2004 , 90, 1117-31	129
1510	The development of an Arabidopsis model system for genome-wide analysis of polyploidy effects. 2004 , 82, 689-700	62
1509	Changes in histone H3 and H4 multi-acetylation during natural and forced dormancy break in potato tubers. 2004 , 120, 642-649	39
1508	Monoallelic gene expression: a repertoire of recurrent themes. 2004 , 200, 197-214	72
1507	How to keep V(D)J recombination under control. 2004 , 200, 165-81	34
1506	Regulation of immunoglobulin heavy-chain gene rearrangements. 2004 , 200, 182-96	40
1505	SMYD3 encodes a histone methyltransferase involved in the proliferation of cancer cells. 2004 , 6, 731-40	584
1504	Marking Xs, together and separately. 2004 , 36, 12-3	3
1503	The spreading influence of chromatin modification. 2004 , 36, 438-40	9
1502	Src kinases in Ph ⁺ lymphoblastic leukemia. 2004 , 36, 440-1	14
1501	Epigenetic regulation of telomere length in mammalian cells by the Suv39h1 and Suv39h2 histone methyltransferases. 2004 , 36, 94-9	445
1500	Targeted inhibition of V(D)J recombination by a histone methyltransferase. 2004 , 5, 309-16	94
1499	PRDI-BF1 recruits the histone H3 methyltransferase G9a in transcriptional silencing. 2004 , 5, 299-308	276
1498	FGF2-induced chromatin remodeling regulates CNTF-mediated gene expression and astrocyte differentiation. 2004 , 7, 229-35	217

1497	Epigenomics: beyond CpG islands. 2004 , 5, 446-55	282
1496	A stepwise epigenetic process controls immunoglobulin allelic exclusion. 2004 , 4, 753-61	64
1495	HP1 and the dynamics of heterochromatin maintenance. 2004 , 5, 296-304	466
1494	Shaping the nuclear action of NF-kappaB. 2004 , 5, 392-401	993
1493	Tandem bromodomains in the chromatin remodeler RSC recognize acetylated histone H3 Lys14. 2004 , 23, 1348-59	189
1492	Reaction cycle of the yeast Isw2 chromatin remodeling complex. 2004 , 23, 3836-43	48
1491	ACF1 improves the effectiveness of nucleosome mobilization by ISWI through PHD-histone contacts. 2004 , 23, 4029-39	93
1490	Suz12 is essential for mouse development and for EZH2 histone methyltransferase activity. 2004 , 23, 4061-71	670
1489	Histone hypomethylation is an indicator of epigenetic plasticity in quiescent lymphocytes. 2004 , 23, 4462-72	93
1488	Structures of protein domains that create or recognize histone modifications. 2004 , 5, 464-9	78
1487	Sea urchin insulator protects lentiviral vector from silencing by maintaining active chromatin structure. 2004 , 11, 819-28	43
1486	The novel histone deacetylase inhibitor NVP-LAQ824: an addition to the therapeutic armamentarium in leukemia?. 2004 , 18, 1931-3	9
1485	Silencing of imprinted CDKN1C gene expression is associated with loss of CpG and histone H3 lysine 9 methylation at DMR-LIT1 in esophageal cancer. 2004 , 23, 4380-8	54
1484	Suv39h histone methyltransferases interact with Smads and cooperate in BMP-induced repression. 2004 , 23, 5242-51	24
1483	Epigenetic gene silencing by Runx proteins. 2004 , 23, 4341-5	56
1482	Centromeric chromatin exhibits a histone modification pattern that is distinct from both euchromatin and heterochromatin. 2004 , 11, 1076-83	446
1481	Linking the epigenetic 'language' of covalent histone modifications to cancer. 2004 , 90, 761-9	270
1480	Vernalization requires epigenetic silencing of FLC by histone methylation. 2004 , 427, 164-7	712

1479	Role of transposable elements in heterochromatin and epigenetic control. 2004 , 430, 471-6	958
1478	The role of RNA interference in heterochromatic silencing. 2004 , 431, 364-70	469
1477	Induction of DNA methylation and gene silencing by short interfering RNAs in human cells. 2004 , 431, 211-7	313
1476	Role of histone H2A ubiquitination in Polycomb silencing. 2004 , 431, 873-8	1264
1475	Correction: Corrigendum: Induction of DNA methylation and gene silencing by short interfering RNAs in human cells. 2004 , 431, 878-878	
1474	Correction: Corrigendum: The lipid phosphatase SHIP2 controls insulin sensitivity. 2004 , 431, 878-878	18
1473	Regulation of p53 activity through lysine methylation. 2004 , 432, 353-60	620
1472	Molecular biology: no exception to reversibility. 2004 , 431, 637-9	19
1471	Gene-nutrient interactions: importance of folates and retinoids during early embryogenesis. 2004 , 198, 75-85	49
1470	Epigenetics and cancer: implications for drug discovery and safety assessment. 2004 , 196, 422-30	55
1469	Chromatin modifiers and carcinogenesis. 2004 , 14, 695-702	23
1468	Is chromatin remodeling required to build sister-chromatid cohesion?. 2004 , 29, 389-92	17
1467	DNA and histone methylation in plants. 2004 , 20, 244-51	208
1466	Antibody class switching: uncoupling S region accessibility from transcription. 2004 , 20, 337-40	15
1465	An integrated epigenetic and genetic approach to common human disease. 2004 , 20, 350-8	367
1464	Metabolic enzymes and coenzymes in transcription--a direct link between metabolism and transcription?. 2004 , 20, 445-52	76
1463	Chromatin effects in nutrition, cancer, and obesity. 2004 , 20, 56-62	19
1462	Chromatin-based silencing mechanisms. 2004 , 7, 521-6	81

1461	Induction of HDAC2 expression upon loss of APC in colorectal tumorigenesis. 2004 , 5, 455-63	426
1460	Hyperacetylation and differential deacetylation of histones H4 and H3 define two distinct classes of acetylated SV40 chromosomes early in infection. 2004 , 319, 324-36	14
1459	Effects of glucocorticoids on gene transcription. 2004 , 500, 51-62	190
1458	Nuclear accumulation of histone deacetylase 4 (HDAC4) coincides with the loss of androgen sensitivity in hormone refractory cancer of the prostate. 2004 , 45, 382-9; author reply 389	50
1457	To the 30-nm chromatin fiber and beyond. 2004 , 1677, 12-23	20
1456	Modifying chromatin to permit steroid hormone receptor-dependent transcription. 2004 , 1677, 30-45	57
1455	Multiple roles for ISWI in transcription, chromosome organization and DNA replication. 2004 , 1677, 113-9	134
1454	Transcriptional elongation control by RNA polymerase II: a new frontier. 2004 , 1677, 79-86	49
1453	The activities of eukaryotic replication origins in chromatin. 2004 , 1677, 142-57	41
1452	DNA methylation and breast cancer. 2004 , 68, 1187-97	157
1451	Histone deacetylase inhibition and estrogen signalling in human breast cancer cells. 2004 , 68, 1239-46	50
1450	Histone deacetylase inhibitors open new doors in cancer therapy. 2004 , 68, 1139-44	132
1449	Acetylation of nuclear receptors in cellular growth and apoptosis. 2004 , 68, 1199-208	158
1448	Epigenetic gene silencing in acute promyelocytic leukemia. 2004 , 68, 1247-54	24
1447	Positioning the genome within the nucleus. 2004 , 96, 569-77	21
1446	Recent advances in X-chromosome inactivation. 2004 , 16, 247-55	227
1445	Epigenetic changes in colorectal cancer. 2004 , 23, 29-39	243
1444	Epigenetics and human disease. 2004 , 5, 479-510	267

1443	Regulation of histone acetylation during meiotic maturation in mouse oocytes. 2004 , 69, 222-7	72
1442	Chromatin structure and dynamics: a historical perspective. 2004 , 1-11	6
1441	An in vitro assay to study the recruitment and substrate specificity of chromatin modifying enzymes. 2004 , 6, 157-162	3
1440	RNA-directed DNA methylation. 2004 , 117, 4881-8	101
1439	Acetylation by Tip60 is required for selective histone variant exchange at DNA lesions. <i>Science</i> , 2004 , 306, 2084-7	33-3 544
1438	Phosphorylation of histone H2B at DNA double-strand breaks. 2004 , 199, 1671-7	148
1437	REST and peace for the neuronal-specific transcriptional program. 2004 , 1014, 110-20	22
1436	Histone structures: targets for modifications by molecular assemblies. 2004 , 1030, 644-55	8
1435	Plants contain a high number of proteins showing sequence similarity to the animal SUV39H family of histone methyltransferases. 2004 , 1030, 661-9	16
1434	Biotin supply affects rates of cell proliferation, biotinylation of carboxylases and histones, and expression of the gene encoding the sodium-dependent multivitamin transporter in JAR choriocarcinoma cells. 2004 , 43, 23-31	52
1433	Topography of genetic loci in the nuclei of cells of colorectal carcinoma and adjacent tissue of colonic epithelium. 2004 , 112, 221-30	14
1432	A high proportion of genes involved in position effect variegation also affect chromosome inheritance. 2004 , 112, 269-76	12
1431	Dimethylation of histone H3 lysine 9 is a critical mark for DNA methylation and gene silencing in <i>Arabidopsis thaliana</i> . 2004 , 112, 308-15	248
1430	Cytogenetic and immuno-FISH analysis of the 4q subtelomeric region, which is associated with facioscapulohumeral muscular dystrophy. 2004 , 112, 350-9	34
1429	The enhancement of histone H4 and H2A serine 1 phosphorylation during mitosis and S-phase is evolutionarily conserved. 2004 , 112, 360-71	89
1428	Viability of X-autosome translocations in mammals: an epigenomic hypothesis from a rodent case-study. 2004 , 113, 34-41	50
1427	Germline cyst development and imprinting in male mealybug <i>Planococcus citri</i> . 2004 , 113, 284-94	13
1426	Ubiquitinated proteins including uH2A on the human and mouse inactive X chromosome: enrichment in gene rich bands. 2004 , 113, 324-35	54

1425	The histone acetyltransferase GCN5 modulates the retrograde response and genome stability determining yeast longevity. 2004 , 5, 305-16	33
1424	Stereodefined and polyunsaturated inhibitors of histone deacetylase based on (2E,4E)-5-arylpenta-2,4-dienoic acid hydroxyamides. 2004 , 14, 2477-81	17
1423	Molecular and genetic organization of <i>Drosophila melanogaster</i> polytene chromosomes: evidence for two types of interband regions. 2004 , 122, 311-24	13
1422	Homology modeling, force field design, and free energy simulation studies to optimize the activities of histone deacetylase inhibitors. 2004 , 18, 375-88	33
1421	Dissociation of the hepatic phenotype from HNF4 and HNF1alpha expression. 2004 , 24, 595-608	4
1420	Modern diagnostics in chronic myeloproliferative diseases (CMPDs). 2004 , 83 Suppl 1, S59-61	17
1419	Double-strand breaks: signaling pathways and repair mechanisms. 2004 , 61, 2137-47	54
1418	Chromatin modifiers in transcription and DNA repair. 2004 , 61, 2154-62	28
1417	Gene silencing in DNA damage repair. 2004 , 61, 2168-72	5
1416	Muscle LIM protein promotes expression of the acetylcholine receptor gamma-subunit gene cooperatively with the myogenin-E12 complex. 2004 , 61, 2386-92	9
1415	Position-associated GC asymmetry of gene duplicates. 2004 , 59, 372-84	18
1414	Down-regulation of SHP1 and up-regulation of negative regulators of JAK/STAT signaling in HTLV-1 transformed cell lines and freshly transformed human peripheral blood CD4+ T-cells. 2004 , 28, 71-82	21
1413	Differentiation between peptides containing acetylated or tri-methylated lysines by mass spectrometry: an application for determining lysine 9 acetylation and methylation of histone H3. 2004 , 4, 1-10	126
1412	A combination of different mass spectroscopic techniques for the analysis of dynamic changes of histone modifications. 2004 , 4, 1382-96	96
1411	Prediction of sequence signals for lipid post-translational modifications: insights from case studies. 2004 , 4, 1614-25	39
1410	A mass spectrometric "Western blot" to evaluate the correlations between histone methylation and histone acetylation. 2004 , 4, 3765-75	65
1409	Normal histone modifications on the inactive X chromosome in ICF and Rett syndrome cells: implications for methyl-CpG binding proteins. 2004 , 2, 21	18
1408	The many colours of chromodomains. 2004 , 26, 133-40	148

1407	Problems of somatic mutation and cancer. 2004 , 26, 291-9	90
1406	A panorama of lineage-specific transcription in hematopoiesis. 2004 , 26, 1276-87	16
1405	Nuclear repositioning marks the selective exclusion of lineage-inappropriate transcription factor loci during T helper cell differentiation. 2004 , 34, 3604-13	104
1404	Lipid-activated nuclear receptors: from gene transcription to the control of cellular metabolism. 2004 , 106, 432-450	8
1403	Histone deacetylase activity is required for embryonic stem cell differentiation. 2004 , 38, 32-8	222
1402	Reorganization of specific chromosomal domains and activation of silent genes in plant cells acquiring pluripotentiality. 2004 , 230, 12-22	79
1401	Histone deacetylase inhibitors: understanding a new wave of anticancer agents. 2004 , 112, 171-8	226
1400	Reduced expression of class II histone deacetylase genes is associated with poor prognosis in lung cancer patients. 2004 , 112, 26-32	177
1399	ATP-dependent nucleosome remodeling complexes: enzymes tailored to deal with chromatin. 2004 , 91, 1087-98	82
1398	Regulation and function of small heat shock protein genes during amphibian development. 2004 , 93, 672-80	36
1397	Mitochondria-derived oxidative stress induces a heat shock protein response. 2004 , 78, 420-9	38
1396	An enzyme-coupled colorimetric assay for S-adenosylmethionine-dependent methyltransferases. 2004 , 326, 100-5	107
1395	The regulation of somatic hypermutation. 2004 , 16, 241-5	22
1394	ATP-dependent chromatin remodeling. 2005 , 65, 115-48	143
1393	Dynamic relocation of epigenetic chromatin markers reveals an active role of constitutive heterochromatin in the transition from proliferation to quiescence. 2004 , 117, 6153-6162	56
1392	A 'molecular switchboard'--covalent modifications to proteins and their impact on transcription. 2004 , 2, 1-7	83
1391	Association of the transcriptional corepressor TIF1beta with heterochromatin protein 1 (HP1): an essential role for progression through differentiation. 2004 , 18, 2147-60	86
1390	New twists on H2A.Z: a histone variant with a controversial structural and functional past. 2004 , 82, 490-7	38

1389	Hif1 is a component of yeast histone acetyltransferase B, a complex mainly localized in the nucleus. 2004 , 279, 16033-43	78
1388	Lessons from the genome sequence of <i>Neurospora crassa</i> : tracing the path from genomic blueprint to multicellular organism. 2004 , 68, 1-108	492
1387	Vernalization, competence, and the epigenetic memory of winter. 2004 , 16, 2553-9	167
1386	Modifications and Conformations of DNA and Nuclear Proteins. 2004 , 445-472	
1385	Inhibitors of Sir2: evaluation of splitomicin analogues. 2004 , 47, 2635-44	144
1384	Transcriptional control of early B cell development. 2004 , 22, 55-79	387
1383	Future potential of the Human Epigenome Project. 2004 , 4, 609-18	49
1382	Global analyses of sumoylated proteins in <i>Saccharomyces cerevisiae</i> . Induction of protein sumoylation by cellular stresses. 2004 , 279, 32262-8	247
1381	Np95 is a histone-binding protein endowed with ubiquitin ligase activity. 2004 , 24, 2526-35	154
1380	Histone methyltransferases in <i>Aspergillus nidulans</i> : evidence for a novel enzyme with a unique substrate specificity. 2004 , 43, 10834-43	40
1379	Histone deacetylase inhibition-mediated neuronal differentiation of multipotent adult neural progenitor cells. 2004 , 101, 16659-64	586
1378	Molecular mechanisms of E2F-dependent activation and pRB-mediated repression. 2004 , 117, 2173-81	331
1377	Importance of clustered 2'-O-(2-aminoethyl) residues for the gene targeting activity of triple helix-forming oligonucleotides. 2004 , 43, 1343-51	39
1376	The effect of stress on genome regulation and structure. 2004 , 94, 481-95	226
1375	Epigenetic reprogramming during early development in mammals. 2004 , 127, 643-51	318
1374	Structure and function of the TFIID complex. 2004 , 67, 67-92	37
1373	Molecular-level description of proteins from <i>saccharomyces cerevisiae</i> using quadrupole FT hybrid mass spectrometry for top down proteomics. 2004 , 76, 2852-8	69
1372	In vivo chromatin remodeling events leading to inflammatory gene transcription under diabetic conditions. 2004 , 279, 18091-7	277

1371	Implications of cloning technique for reproductive medicine. 2004 , 8, 509-15	8
1370	Genetics, epigenetics, and the environment: switching, buffering, releasing. 2004 , 113, 381-6; quiz 387	131
1369	The origin of schizophrenia: genetic thesis, epigenetic antithesis, and resolving synthesis. 2004 , 55, 965-70	188
1368	Corticosteroids. 2004 , 79-123	
1367	DNA Sequences, Transcription Factors and Chromatin Structure. 2004 , 1-22	1
1366	The role of corepressors in transcriptional regulation by nuclear hormone receptors. 2004 , 66, 315-60	270
1365	Cell growth inhibition and gene expression induced by the histone deacetylase inhibitor, trichostatin A, on human hepatoma cells. 2004 , 66, 481-91	88
1364	Polytene chromosomes: 70 years of genetic research. 2004 , 241, 203-75	69
1363	Zn ²⁺ -chelating motif-tethered short-chain fatty acids as a novel class of histone deacetylase inhibitors. 2004 , 47, 467-74	94
1362	Multi-faceted, multi-versatile microarray: simultaneous detection of many viruses and their expression profiles. 2004 , 1, 11	4
1361	Unexpected binding motifs for subnucleosomal particles revealed by atomic force microscopy. 2004 , 87, 4135-45	24
1360	Epigenetics Protocols. 2004 ,	4
1359	Characterization of phosphorylation sites on histone H1 isoforms by tandem mass spectrometry. 2004 , 3, 1219-27	109
1358	Histone modification enzymes: novel targets for cancer drugs. 2004 , 9, 135-154	65
1357	Regulation of Mammalian Oocyte Maturation. 2004 , 113-129	39
1356	The Molecular Biology of Schizosaccharomyces pombe. 2004 ,	21
1355	Regulation of chromosome stability by the histone H2A variant Htz1, the Swr1 chromatin remodeling complex, and the histone acetyltransferase NuA4. 2004 , 101, 13513-8	202
1354	Inactivation of class II transactivator by DNA methylation and histone deacetylation associated with absence of HLA-DR induction by interferon-gamma in haematopoietic tumour cells. 2004 , 90, 844-52	50

1353	Lsh, an epigenetic guardian of repetitive elements. 2004 , 32, 5019-28		110
1352	Dynamic alterations of specific histone modifications during early murine development. 2004 , 117, 4449-59		186
1351	SMRT and N-CoR corepressors are regulated by distinct kinase signaling pathways. 2004 , 279, 54676-86		72
1350	Regulation of histone acetylation during memory formation in the hippocampus. 2004 , 279, 40545-59		867
1349	Site-specific analysis of histone methylation and acetylation. 2004 , 287, 99-120		82
1348	Chromatin compaction by a polycomb group protein complex. <i>Science</i> , 2004 , 306, 1574-7	33.3	621
1347	Histone modifications at gene promoter regions in rat hippocampus after acute and chronic electroconvulsive seizures. 2004 , 24, 5603-10		355
1346	Human PAD4 regulates histone arginine methylation levels via demethylation. <i>Science</i> , 2004 , 306, 279-83	33.3	774
1345	<i>C. elegans</i> HIM-17 links chromatin modification and competence for initiation of meiotic recombination. 2004 , 118, 439-52		125
1344	Histone deacetylase 4 controls chondrocyte hypertrophy during skeletogenesis. 2004 , 119, 555-66		640
1343	Silence of the rings. 2004 , 119, 449-51		8
1342	A crack in histone lysine methylation. 2004 , 119, 903-6		126
1341	Histone demethylation mediated by the nuclear amine oxidase homolog LSD1. 2004 , 119, 941-53		3078
1340	Histone deacetylase inhibitors--a new tool to treat cancer. 2004 , 30, 461-72		94
1339	Polycomb group proteins Ring1A/B link ubiquitylation of histone H2A to heritable gene silencing and X inactivation. 2004 , 7, 663-76		711
1338	Interplay between chromatin and cell cycle checkpoints in the context of ATR/ATM-dependent checkpoints. 2004 , 3, 969-78		49
1337	The functions of E(Z)/EZH2-mediated methylation of lysine 27 in histone H3. 2004 , 14, 155-64		711
1336	The highly conserved and multifunctional NuA4 HAT complex. 2004 , 14, 147-54		280

1335	Epigenetic control of neural stem cell fate. 2004 , 14, 461-9	190
1334	The SNF2 domain protein family in higher vertebrates displays dynamic expression patterns in <i>Xenopus laevis</i> embryos. 2004 , 326, 59-66	16
1333	Identification, expression, modeled structure and serological characterization of <i>Plasmodium vivax</i> histone 2B. 2004 , 337, 25-35	5
1332	Genetic and epigenetic modulation of telomerase activity in development and disease. 2004 , 340, 1-10	97
1331	Opening the chromatin for transcription. 2004 , 36, 1411-23	23
1330	DNA demethylation and cancer: therapeutic implications. 2004 , 211, 133-43	96
1329	Lifting a chromosome: dosage compensation in <i>Drosophila melanogaster</i> . 2004 , 567, 8-14	48
1328	Two distinct methods analyzing chromatin structure using centrifugation and antibodies to modified histone H3: both provide similar chromatin states of the <i>Rit1/Bcl11b</i> gene. 2004 , 313, 489-95	3
1327	DNMT3B interacts with hSNF2H chromatin remodeling enzyme, HDACs 1 and 2, and components of the histone methylation system. 2004 , 318, 544-55	97
1326	Effects of chromatin structure on the enzymatic and DNA binding functions of DNA methyltransferases DNMT1 and Dnmt3a in vitro. 2004 , 322, 110-8	58
1325	Participation of Polycomb group gene extra sex combs in hedgehog signaling pathway. 2004 , 323, 523-33	6
1324	ATRX, a member of the SNF2 family of helicase/ATPases, is required for chromosome alignment and meiotic spindle organization in metaphase II stage mouse oocytes. 2004 , 272, 1-14	112
1323	How cells dedifferentiate: a lesson from plants. 2004 , 268, 1-6	113
1322	Path to equality strewn with roX. 2004 , 269, 18-25	29
1321	Distinct dynamics and distribution of histone methyl-lysine derivatives in mouse development. 2004 , 276, 337-51	70
1320	The XY body: a specialized meiotic chromatin domain. 2004 , 296, 57-63	210
1319	The MTG proteins: chromatin repression players with a passion for networking. 2004 , 84, 1-9	29
1318	Large scale preparation of nucleosomes containing site-specifically chemically modified histones lacking the core histone tail domains. 2004 , 33, 25-32	8

1317	Expression and purification of recombinant human histones. 2004 , 33, 3-11	138
1316	Analysis of chromatin in fission yeast. 2004 , 33, 252-9	49
1315	Ubiquitin-proteasome-mediated local protein degradation and synaptic plasticity. 2004 , 73, 311-57	119
1314	A plant dialect of the histone language. 2004 , 9, 84-90	132
1313	Cytogenetics as a tool to study gene regulation. 2004 , 9, 147-53	49
1312	Chromosomal protein HMGN1 modulates histone H3 phosphorylation. 2004 , 15, 573-84	98
1311	Global position and recruitment of HATs and HDACs in the yeast genome. 2004 , 16, 199-209	199
1310	Mastermind recruits CycC:CDK8 to phosphorylate the Notch ICD and coordinate activation with turnover. 2004 , 16, 509-20	458
1309	The RING domain of Mdm2 mediates histone ubiquitylation and transcriptional repression. 2004 , 16, 631-9	174
1308	Genomic surgery for lung cancer. 2004 , 117, 107-13	5
1307	Nucleosome binding by the bromodomain and PHD finger of the transcriptional cofactor p300. 2004 , 337, 773-88	104
1306	Regulation of transcriptional silencing in yeast by growth temperature. 2004 , 344, 893-905	23
1305	A concerted DNA methylation/histone methylation switch regulates rRNA gene dosage control and nucleolar dominance. 2004 , 13, 599-609	294
1304	Menin associates with a trithorax family histone methyltransferase complex and with the <i>hoxc8</i> locus. 2004 , 13, 587-97	506
1303	The RSC nucleosome-remodeling complex is required for Cohesin's association with chromosome arms. 2004 , 13, 739-50	146
1302	Different EZH2-containing complexes target methylation of histone H1 or nucleosomal histone H3. 2004 , 14, 183-93	374
1301	Histone H3.1 and H3.3 complexes mediate nucleosome assembly pathways dependent or independent of DNA synthesis. 2004 , 116, 51-61	984
1300	From silencing to gene expression: real-time analysis in single cells. 2004 , 116, 683-98	554

1299	SWRred not shaken; mixing the histones. 2004 , 117, 5-7	53
1298	Inhibition of p53 degradation by Mdm2 acetylation. 2004 , 561, 195-201	79
1297	DNA methylation and epigenetics. 2004 , 55, 41-68	275
1296	Regulation of Neuronal Gene Expression and Protein Synthesis. 2004 , 371-390	
1295	Loss of estrogen receptor signaling triggers epigenetic silencing of downstream targets in breast cancer. 2004 , 64, 8184-92	166
1294	Chromatin: Physical Organization. 2004 , 464-468	
1293	Histone modification in constitutive heterochromatin versus unexpressed euchromatin in human cells. 2004 , 93, 286-300	21
1292	In vivo effects of histone-deacetylase inhibitor trichostatin-A on murine spermatogenesis. 2004 , 25, 811-8	92
1291	A silencing pathway to induce H3-K9 and H4-K20 trimethylation at constitutive heterochromatin. 2004 , 18, 1251-62	812
1290	Histone deacetylase inhibitors. 2004 , 91, 137-68	390
1289	The molecular mechanism of fetal hemoglobin reactivation. 2004 , 41, 3-10	47
1288	Retrovirus Silencing, Variegation, Extinction, and Memory Are Controlled by a Dynamic Interplay of Multiple Epigenetic Modifications*1. 2004 , 10, 27	
1287	?????????????????????. 2004 , 78, 27-30	
1286	DNA methylation of the endogenous PAI genes in Arabidopsis. 2004 , 69, 145-53	9
1285	Two distinct nucleosome assembly pathways: dependent or independent of DNA synthesis promoted by histone H3.1 and H3.3 complexes. 2004 , 69, 273-80	35
1284	Linking covalent histone modifications to epigenetics: the rigidity and plasticity of the marks. 2004 , 69, 161-9	37
1283	Emerging roles of Polycomb silencing in X-inactivation and stem cell maintenance. 2004 , 69, 319-26	11
1282	Summary: epigenetics--from phenomenon to field. 2004 , 69, 507-19	10

1281	Reading the DNA methylation signal. 2004 , 69, 113-8	40
1280	Genome defense and DNA methylation in Neurospora. 2004 , 69, 119-24	24
1279	Epigenetics, histone H3 variants, and the inheritance of chromatin states. 2004 , 69, 235-43	47
1278	Gene repression paradigms in animal cells. 2004 , 69, 131-8	10
1277	Chromatin dynamics and cancer. 2004 , 3, 825-30	7
1276	Epigenetic modifications affect Dnmt3L expression. 2004 , 380, 705-13	23
1275	The role of histone variability in chromatin stability and folding. 2004 , 39, 241-290	11
1274	5-Aza-2'-deoxycytidine reactivates the CDH1 gene without influencing methylation of the entire CpG island or histone modification in a human cancer cell line. 2004 , 80, 342-348	2
1273	A tale of early response genes. 2004 , 27, 606-12	54
1272	Characterization of the Drosophila protein arginine methyltransferases DART1 and DART4. 2004 , 379, 283-9	54
1271	Histone modifications. 2004 , 205-240	5
1270	Nucleosome modifications and their interactions; searching for a histone code. 2004 , 291-308	1
1269	Tissue-specific Locus Control: Structure and Function. 2005 ,	
1268	Histones: from Gene Organization to Biological Roles. 2005 ,	
1267	Stroke. 2005 , 1-30	
1266	The amazing complexity of transcription factories. 2005 , 4, 143-57	18
1265	Human X chromosome inactivation. 2005 ,	
1264	Arginine methylation regulates IL-2 gene expression: a role for protein arginine methyltransferase 5 (PRMT5). 2005 , 388, 379-86	83

1263	Posttranslational protein modifications. 2005 , 33, S407-9	25
1262	The histone code and epigenetic inheritance. 2005 ,	1
1261	Heterochromatin and the Control of Gene Silencing in Plants. 106-133	1
1260	Rett syndrome: a Rosetta stone for understanding the molecular pathogenesis of autism. 2005 , 71, 131-65	18
1259	Leaky ribosomal scanning in mammalian genomes: significance of histone H4 alternative translation in vivo. 2005 , 33, 1298-308	24
1258	LPS induces CD40 gene expression through the activation of NF-kappaB and STAT-1alpha in macrophages and microglia. 2005 , 106, 3114-22	200
1257	Bromodomain analysis of Brd2-dependent transcriptional activation of cyclin A. 2005 , 387, 257-69	77
1256	Crystal structure of the proximal BAH domain of the polybromo protein. 2005 , 389, 657-64	21
1255	Comprehensive analysis of dynamics of histone H4 acetylation in mitotic barley cells. 2005 , 80, 269-76	7
1254	Characterization and crystallization of human DPY-30-like protein, an essential component of dosage compensation complex. 2005 , 1753, 257-62	5
1253	Roles for nutrients in epigenetic events. 2005 , 16, 74-7	76
1252	Decoding Tat: the biology of HIV Tat posttranslational modifications. 2005 , 7, 1364-9	46
1251	Peptide mass mapping of acetylated isoforms of histone H4 from mouse lymphosarcoma cells treated with histone deacetylase (HDACs) inhibitors. 2005 , 16, 1641-53	35
1250	Effects of suberoylanilide hydroxamic acid and trichostatin A on induction of cytochrome P450 enzymes and benzo[a]pyrene DNA adduct formation in human cells. 2005 , 15, 1283-7	21
1249	Avidin plate assay system for enzymatic characterization of a histone lysine methyltransferase. 2005 , 342, 287-91	27
1248	Genomic studies of transcription factor-DNA interactions. 2005 , 9, 38-45	53
1247	Contemporary mass spectrometry for the direct detection of enzyme intermediates. 2005 , 9, 424-30	19
1246	Germline epimutation: A basis for epigenetic disease in humans. 2005 , 1054, 68-77	40

1245	The H2A.Z/H2B dimer is unstable compared to the dimer containing the major H2A isoform. 2005 , 14, 514-22	32
1244	Easy detection of chromatin binding proteins by the Histone Association Assay. 2005 , 7, 60-9	24
1243	An epigenetic code for DNA damage repair pathways?. 2005 , 83, 270-85	39
1242	Changes in histone modifications during in vitro maturation of porcine oocytes. 2005 , 71, 123-8	72
1241	Resetting the epigenetic histone code in the MRL-lpr/lpr mouse model of lupus by histone deacetylase inhibition. 2005 , 4, 2032-42	125
1240	From egg to embryo: a peripatetic journey. 2005 , 130, 825-8	35
1239	DNA Methylation, Genomic Silencing, and Links to Nutrition and Cancer. 2005 , 63, 183-195	62
1238	Epigenetics and plant evolution. 2005 , 168, 81-91	303
1237	The tissue-specific methylation of the human tyrosine hydroxylase gene reveals new regulatory elements in the first exon. 2005 , 94, 129-39	28
1236	Histone methylation at gene promoters is associated with developmental regulation and region-specific expression of ionotropic and metabotropic glutamate receptors in human brain. 2005 , 94, 324-36	78
1235	Psychological stress increases histone H3 phosphorylation in adult dentate gyrus granule neurons: involvement in a glucocorticoid receptor-dependent behavioural response. 2005 , 22, 1691-700	119
1234	Targeted discovery tools: proteomics and chromatin immunoprecipitation-on-chip. 2005 , 96 Suppl 2, 16-22	8
1233	Altered gene silencing and human diseases. 2006 , 69, 1-7	8
1232	Nutrition and epigenetics [How the genome learns from experience. 2005 , 30, 6-12	5
1231	Development of anonymous cDNA microarrays to study changes to the Senecio floral transcriptome during hybrid speciation. 2005 , 14, 2493-510	100
1230	Structure and chromosomal DNA binding of the SWIRM domain. 2005 , 12, 1078-85	50
1229	Ubiquitin ligase component Cul4 associates with Clr4 histone methyltransferase to assemble heterochromatin. 2005 , 7, 1007-13	179
1228	Identification of a specific inhibitor of the histone methyltransferase SU(VAR)3-9. 2005 , 1, 143-5	398

1227	Loss of silent-chromatin looping and impaired imprinting of DLX5 in Rett syndrome. 2005 , 37, 31-40	612
1226	Loss of acetylation at Lys16 and trimethylation at Lys20 of histone H4 is a common hallmark of human cancer. 2005 , 37, 391-400	1492
1225	Mapping of genetic and epigenetic regulatory networks using microarrays. 2005 , 37 Suppl, S18-24	100
1224	Sex-specific role of <i>Drosophila melanogaster</i> HP1 in regulating chromatin structure and gene transcription. 2005 , 37, 1361-6	61
1223	Reversal of the cellular phenotype in the premature aging disease Hutchinson-Gilford progeria syndrome. 2005 , 11, 440-5	450
1222	Profiling histone modification patterns in plants using genomic tiling microarrays. 2005 , 2, 213-8	394
1221	Profiling DNA methylation patterns using genomic tiling microarrays. 2005 , 2, 219-24	109
1220	Biomarkers in cancer staging, prognosis and treatment selection. 2005 , 5, 845-56	1278
1219	Silence of the genes--mechanisms of long-term repression. 2005 , 6, 648-54	69
1218	Histone variants meet their match. 2005 , 6, 139-49	238
1217	Intrinsically unstructured proteins and their functions. 2005 , 6, 197-208	2985
1216	Controlling nuclear receptors: the circular logic of cofactor cycles. 2005 , 6, 542-54	393
1215	The diverse functions of histone lysine methylation. 2005 , 6, 838-49	1566
1214	Epigenetic regulation of protein tyrosine phosphatases: potential molecular targets for cancer therapy. 2005 , 12, 665-72	49
1213	Epigenetic changes in virus-associated human cancers. 2005 , 15, 262-71	73
1212	Chromatin domain boundaries: insulators and beyond. 2005 , 15, 292-300	24
1211	Subcellular distribution of HP1 proteins is altered in ICF syndrome. 2005 , 13, 41-51	31
1210	Histone modifications defining active genes persist after transcriptional and mitotic inactivation. 2005 , 24, 347-57	220

1209	The profile of repeat-associated histone lysine methylation states in the mouse epigenome. 2005 , 24, 800-12	521
1208	In vivo haematopoietic activity is induced in neurosphere cells by chromatin-modifying agents. 2005 , 24, 554-66	39
1207	Histone H3 phosphorylation can promote TBP recruitment through distinct promoter-specific mechanisms. 2005 , 24, 997-1008	80
1206	Mice with bad ends: mouse models for the study of telomeres and telomerase in cancer and aging. 2005 , 24, 1095-103	113
1205	Pivotal role of AtSUVH2 in heterochromatic histone methylation and gene silencing in Arabidopsis. 2005 , 24, 1418-29	162
1204	Histone trimethylation by Set1 is coordinated by the RRM, autoinhibitory, and catalytic domains. 2005 , 24, 1222-31	73
1203	Cell cycle regulation of chromatin at an origin of DNA replication. 2005 , 24, 1406-17	99
1202	Heterochromatin formation involves changes in histone modifications over multiple cell generations. 2005 , 24, 2138-49	121
1201	Chromatin regulation and sumoylation in the inhibition of Ras-induced vulval development in <i>Caenorhabditis elegans</i> . 2005 , 24, 2613-23	105
1200	Distinct regulation of histone H3 methylation at lysines 27 and 9 by CpG methylation in Arabidopsis. 2005 , 24, 2783-91	174
1199	Chromosomal protein HMGN1 enhances the acetylation of lysine 14 in histone H3. 2005 , 24, 3038-48	77
1198	The pre-B-cell receptor induces silencing of VpreB and lambda5 transcription. 2005 , 24, 3895-905	40
1197	Variant histone H3.3 marks promoters of transcriptionally active genes during mammalian cell division. 2005 , 6, 354-60	132
1196	Methylation: lost in hydroxylation?. 2005 , 6, 315-20	166
1195	The effects of histone deacetylase inhibitors on heterochromatin: implications for anticancer therapy?. 2005 , 6, 520-4	102
1194	Predicting the effect of transcription therapy in hematologic malignancies. 2005 , 19, 1109-17	16
1193	Multisite protein modification and intramolecular signaling. 2005 , 24, 1653-62	220
1192	PARP-10, a novel Myc-interacting protein with poly(ADP-ribose) polymerase activity, inhibits transformation. 2005 , 24, 1982-93	115

1191	Epigenetic changes to the MDR1 locus in response to chemotherapeutic drugs. 2005 , 24, 8061-75	169
1190	Interchromosomal associations between alternatively expressed loci. 2005 , 435, 637-45	559
1189	A histone H3 methyltransferase controls epigenetic events required for meiotic prophase. 2005 , 438, 374-8	377
1188	Histone H3 serine 10 phosphorylation by Aurora B causes HP1 dissociation from heterochromatin. 2005 , 438, 1176-80	518
1187	K4, K9 and K18 in human histone H3 are targets for biotinylation by biotinidase. 2005 , 272, 4249-59	70
1186	Histone deacetylase inhibitors for treatment of hepatocellular carcinoma. 2005 , 26, 1025-33	38
1185	Methylation of histones: playing memory with DNA. 2005 , 17, 230-8	100
1184	Chromatin remodeling in neural development and plasticity. 2005 , 17, 664-71	174
1183	Chromatin, epigenetics and stem cells. 2005 , 84, 123-35	38
1182	The murine polycomb group protein Eed is required for global histone H3 lysine-27 methylation. 2005 , 15, 942-7	283
1181	Mutations in a conserved replication protein suppress transcriptional gene silencing in a DNA-methylation-independent manner in Arabidopsis. 2005 , 15, 1912-8	58
1180	Histone modifications in Rett syndrome lymphocytes: a preliminary evaluation. 2005 , 27, 331-9	22
1179	Transcriptional regulation in myelopoiesis: Hematopoietic fate choice, myeloid differentiation, and leukemogenesis. 2005 , 33, 131-43	108
1178	Structure and Expression Profiles of Two Putative Cotesia plutellae Bracovirus Genes (CpBV-H4 and CpBV-E94a) in Parasitized Plutella xylostella. 2005 , 8, 359-366	24
1177	Epigenetic changes in solid and hematopoietic tumors. 2005 , 32, 521-30	103
1176	Transcriptional regulation at the chromatin level in the cardiovascular system through protein-protein interactions and chemical modifications. 2005 , 15, 125-9	5
1175	Centromeric chromatin makes its mark. 2005 , 30, 172-5	17
1174	Regulation of transcription: from lambda to eukaryotes. 2005 , 30, 275-9	122

1173	The role of enhancers as centres for general transcription factor recruitment. 2005 , 30, 593-9	88
1172	Crossing the line between activation and repression. 2005 , 21, 54-9	37
1171	A eukaryotic gene family related to retroelement integrases. 2005 , 21, 133-7	28
1170	RNA interference and heterochromatin in the fission yeast <i>Schizosaccharomyces pombe</i> . 2005 , 21, 450-6	120
1169	Dualism of gene GC content and CpG pattern in regard to expression in the human genome: magnitude versus breadth. 2005 , 21, 639-43	45
1168	Scoring functions for transcription factor binding site prediction. 2005 , 6, 84	16
1167	Programmed remodeling of hyperacetylated histone H4 and H3 organization on the SV40 genome during lytic infection. 2005 , 334, 111-23	16
1166	Maternal programming of steroid receptor expression and phenotype through DNA methylation in the rat. 2005 , 26, 139-62	278
1165	Histone H4 post-translational modifications in chordate mitotic and endoreduplicative cell cycles. 2005 , 95, 885-901	11
1164	MLL: how complex does it get?. 2005 , 95, 234-42	75
1163	SP100B is a repressor of gene expression. 2005 , 95, 352-65	25
1162	Imprinting centers, chromatin structure, and disease. 2005 , 95, 226-33	36
1161	Topoisomerase inhibitor induced dephosphorylation of H1 and H3 histones as a consequence of cell cycle arrest. 2005 , 95, 1235-47	5
1160	Translating the histone code into leukemia. 2005 , 96, 938-50	51
1159	Histone modifying enzymes and cancer: going beyond histones. 2005 , 96, 1137-48	130
1158	The fellowships of the ING. 2005 , 96, 1127-36	37
1157	Involvement of the tumor necrosis factor (TNF)/TNF receptor system in leukemic cell apoptosis induced by histone deacetylase inhibitor depsipeptide (FK228). 2005 , 203, 387-97	39
1156	New method to detect histone acetylation levels by flow cytometry. 2005 , 66, 52-61	55

1155	Role of histone and transcription factor acetylation in diabetes pathogenesis. 2005 , 21, 416-33	114
1154	Maintenance of gene expression patterns. 2005 , 232, 633-55	96
1153	GCN5 and p300 share essential functions during early embryogenesis. 2005 , 233, 1337-47	30
1152	Heterochromatin--many flavours, common themes. 2005 , 27, 17-28	102
1151	Do protein motifs read the histone code?. 2005 , 27, 164-75	190
1150	Memory mechanisms of active transcription during cell division. 2005 , 27, 1239-45	10
1149	The epigenetic basis for embryonic stem cell pluripotency. 2005 , 27, 1286-93	50
1148	Epigenetics--an epicenter of gene regulation: histones and histone-modifying enzymes. 2005 , 44, 3186-216	235
1147	Chromatin modifications as targets for new anticancer drugs. 2005 , 338, 347-57	42
1146	Inhibition of interleukin-1beta-induced cyclooxygenase 2 expression in human synovial fibroblasts by 15-deoxy-Delta12,14-prostaglandin J2 through a histone deacetylase-independent mechanism. 2005 , 52, 94-104	46
1145	Epigenetik Ein Epizentrum der Genregulation: Histone und histonmodifizierende Enzyme. 2005 , 117, 3248-3280	38
1144	The Structure and Function of the Bromodomain. 2005 , 227-239	1
1143	DNA methylation in the CTCF-binding site I and the expression pattern of the H19 gene: does positive expression predict poor prognosis in early stage head and neck carcinomas?. 2005 , 44, 102-10	19
1142	Histone deacetylation in epigenetics: an attractive target for anticancer therapy. 2005 , 25, 261-309	278
1141	From RNAi to epigenomes: how RNA rules the world. 2005 , 6, 441-3	7
1140	The silence of the ribosomal RNA genes. 2005 , 62, 2067-79	53
1139	siRNA-mediated transcriptional gene silencing: the potential mechanism and a possible role in the histone code. 2005 , 62, 3057-66	77
1138	Biological functions of biotinylated histones. 2005 , 16, 446-8	65

1137	Control of gene expression and assembly of chromosomal subdomains by chromatin regulators with antagonistic functions. 2005 , 114, 242-51	22
1136	Developmental regulation of Suz 12 localization. 2005 , 114, 183-92	27
1135	Imaging of protein movement induced by chromosomal breakage: tiny 'local' lesions pose great 'global' challenges. 2005 , 114, 146-54	90
1134	Gene activation and deactivation related changes in the three-dimensional structure of chromatin. 2005 , 114, 331-7	34
1133	Genetics and molecular biology of chronic lymphocytic leukemia. 2005 , 6, 215-25	12
1132	Critical Notice: Cycles of Contingency [Developmental Systems and Evolution. 2005 , 20, 517-544	10
1131	Enzymatic DNA methylation is an epigenetic control for genetic functions of the cell. 2005 , 70, 488-99	44
1130	DNA methylation and demethylation as targets for anticancer therapy. 2005 , 70, 533-49	81
1129	Epigenetic changes and repositioning determine the evolutionary fate of duplicated genes. 2005 , 70, 559-67	19
1128	Heterochromatin formation: role of short RNAs and DNA methylation. 2005 , 70, 1187-98	14
1127	Plasmodium telomeres and telomerase: the usual actors in an unusual scenario. 2005 , 13, 517-24	29
1126	Epigenomic mapping in Arabidopsis using tiling microarrays. 2005 , 13, 299-308	41
1125	Dynamic histone acetylation of late embryonic genes during seed germination. 2005 , 59, 909-25	56
1124	The Effect of Chromatin Remodeling and Modification on RNA-Polymerase-Mediated Transcription Initiation. 2005 , 41, 720-727	
1123	Experimental study of the function of the excreted/secreted Leishmania LmSIR2 protein by heterologous expression in eukaryotic cell line. 2005 , 4, 1	17
1122	Why repetitive DNA is essential to genome function. 2005 , 80, 227-50	190
1121	Dormant hypermethylated tumour suppressor genes: questions and answers. 2005 , 205, 172-80	74
1120	The Histone Database: a comprehensive resource for histones and histone fold-containing proteins. 2006 , 62, 838-42	46

1119	[Epigenetics and cancer]. 2005 , 21, 405-11	11
1118	Linkage of lamins to fidelity of gene transcription. 2005 , 15, 277-94	8
1117	Corepressors: custom tailoring and alterations while you wait. 2005 , 3, e003	50
1116	Genome organization and three kinds of heritable changes: general description and stochastic factors (a review). 2005 , 10, 335-44	6
1115	The BTB Domain Zinc Finger Proteins. 2005 , 134-150	2
1114	. 2005 ,	2
1113	Physiological functions of plant DNA methyltransferases. 2005 , 22, 71-80	19
1112	Epigenetic modification as an enabling mechanism for leukemic transformation. 2005 , 10, 1635-46	4
1111	Vitamin A status in mice affects the histone code of the phosphoenolpyruvate carboxykinase gene in liver. 2005 , 135, 2774-9	7
1110	Bridging the gap. 2005 , 6, S16-S16	
1109	Gripping tails. 2005 , 6, S17-S17	
1108	Epigenetics in development and cloning by nuclear transfer: alternative approaches to nuclear reprogramming. 2005 , 141-154	
1107	Preface. 2005 , ix-ix	
1106	Introduction. 2005 , 1-16	
1105	Learning from experience. 2005 , 17-45	
1104	From here to synchrony. 2005 , 46-65	
1103	What to make of coincidence. 2005 , 66-80	
1102	The topography of intersubjective space. 2005 , 81-112	

1101	The two axes of psychological explanation. 2005 , 113-132	
1100	Pictures of psychical change. 2005 , 133-154	
1099	Research among equals. 2005 , 155-185	
1098	Validating the curriculum. 2005 , 186-204	
1097	Conclusion. 2005 , 205-214	
1096	List of references. 2005 , 215-237	
1095	Histone modifications as key regulators of transcription. 2005 , 10, 866-72	49
1094	[Variations on the topic of the "histone code"]. 2005 , 21, 384-9	3
1093	Mammalian Epigenomics: Reprogramming the Genome for Development and Therapy. 2005 , 65-78	
1092	Living Longer: The Aging Epigenome. 2005 , 139-149	
1091	MOF, an Acetyl Transferase Involved in Dosage Compensation in Drosophila, Uses a CCHC Finger for Substrate Recognition. 2005 , 247-251	
1090	ROR1/RPA2A, a putative replication protein A2, functions in epigenetic gene silencing and in regulation of meristem development in Arabidopsis. 2006 , 18, 85-103	48
1089	The epigenome network of excellence. 2005 , 3, e177	14
1088	Methylation of histone H3 lysine 36 is required for normal development in Neurospora crassa. 2005 , 4, 1455-64	71
1087	Histone acetylation regulates the cell type specific CIITA promoters, MHC class II expression and antigen presentation in tumor cells. 2005 , 17, 1483-94	62
1086	Proteomic and genomic characterization of chromatin complexes at a boundary. 2005 , 169, 35-47	117
1085	Involvement of histone acetyltransferase (HAT) in ethanol-induced acetylation of histone H3 in hepatocytes: potential mechanism for gene expression. 2005 , 289, G1124-36	88
1084	Variant histone H2A.Z is globally localized to the promoters of inactive yeast genes and regulates nucleosome positioning. 2005 , 3, e384	330

1083	Accessibility Control of Recombination at Immunoglobulin Locus. 2005 , 1, 69-79	4
1082	An expression screen reveals modulators of class II histone deacetylase phosphorylation. 2005 , 102, 8120-5	96
1081	NF-kappaB RelA phosphorylation regulates RelA acetylation. 2005 , 25, 7966-75	359
1080	Selectivity of the ubiquitin pathway for oxidatively modified proteins: relevance to protein precipitation diseases. 2005 , 19, 1707-9	78
1079	Increased expression of the polycomb group gene, EZH2, in transitional cell carcinoma of the bladder. 2005 , 11, 8570-6	166
1078	The Structure and Molecular Interactions of the Bromodomain. 2005 , 203-218	
1077	Menin regulates pancreatic islet growth by promoting histone methylation and expression of genes encoding p27Kip1 and p18INK4c. 2005 , 102, 14659-64	339
1076	Histone deacetylase inhibitor FK228 activates tumor suppressor Prdx1 with apoptosis induction in esophageal cancer cells. 2005 , 11, 7945-52	47
1075	Opposite effects of histone deacetylase inhibitors on glucocorticoid and estrogen signaling in human endometrial Ishikawa cells. 2005 , 68, 1852-62	14
1074	Gfi1 coordinates epigenetic repression of p21Cip/WAF1 by recruitment of histone lysine methyltransferase G9a and histone deacetylase 1. 2005 , 25, 10338-51	148
1073	DDM1 binds Arabidopsis methyl-CpG binding domain proteins and affects their subnuclear localization. 2005 , 17, 1549-58	75
1072	MEIS C termini harbor transcriptional activation domains that respond to cell signaling. 2005 , 280, 10119-27	60
1071	Intracellular bacteria differentially regulated endothelial cytokine release by MAPK-dependent histone modification. 2005 , 175, 2843-50	84
1070	A histone code in meiosis: the histone kinase, NHK-1, is required for proper chromosomal architecture in Drosophila oocytes. 2005 , 19, 2571-82	62
1069	Chromatin modifying activity of leukaemia associated fusion proteins. 2005 , 14 Spec No 1, R77-84	54
1068	Multiple bromodomain genes are involved in restricting the spread of heterochromatic silencing at the Saccharomyces cerevisiae HMR-tRNA boundary. 2005 , 171, 913-22	46
1067	A glue for heterochromatin maintenance: stable SUV39H1 binding to heterochromatin is reinforced by the SET domain. 2005 , 170, 537-49	59
1066	In vivo synergy between topoisomerase II and histone deacetylase inhibitors: predictive correlates. 2005 , 4, 1993-2000	66

1065	Histone dynamics on the interleukin-2 gene in response to T-cell activation. 2005 , 25, 3209-19	87
1064	Epigenetic histone modification and cardiovascular lineage programming in mouse embryonic stem cells exposed to laminar shear stress. 2005 , 96, 501-8	159
1063	Insights into the role of histone H3 and histone H4 core modifiable residues in <i>Saccharomyces cerevisiae</i> . 2005 , 25, 10060-70	179
1062	Phosphorylation of Ser28 in histone H3 mediated by mixed lineage kinase-like mitogen-activated protein triple kinase alpha. 2005 , 280, 13545-53	19
1061	Histone H3 K36 methylation is associated with transcription elongation in <i>Schizosaccharomyces pombe</i> . 2005 , 4, 1446-54	90
1060	Epigenetic mechanism of rRNA gene silencing: temporal order of NoRC-mediated histone modification, chromatin remodeling, and DNA methylation. 2005 , 25, 2539-46	139
1059	Transcription and histone modifications in the recombination-free region spanning a rice centromere. 2005 , 17, 3227-38	95
1058	Mapping global histone methylation patterns in the coding regions of human genes. 2005 , 25, 4650-61	92
1057	Mitogen-activated protein kinases regulate LSF occupancy at the human immunodeficiency virus type 1 promoter. 2005 , 79, 5952-62	18
1056	In vivo HP1 targeting causes large-scale chromatin condensation and enhanced histone lysine methylation. 2005 , 25, 4552-64	147
1055	Impaired retinoic acid (RA) signal leads to RARbeta2 epigenetic silencing and RA resistance. 2005 , 25, 10591-603	56
1054	Role of histone modifications in marking and activating genes through mitosis. 2005 , 280, 42592-600	79
1053	Vitamin K3 (menadione)-induced oncosis associated with keratin 8 phosphorylation and histone H3 arylation. 2005 , 68, 606-15	25
1052	The role of histone acetylation in SMN gene expression. 2005 , 14, 1171-82	130
1051	Histone methyltransferases G9a and GLP form heteromeric complexes and are both crucial for methylation of euchromatin at H3-K9. 2005 , 19, 815-26	579
1050	Onset and inheritance of abnormal epigenetic regulation in hematopoietic cells. 2005 , 14, 493-502	8
1049	Chromatin architecture near a potential 3' end of the <i>igh</i> locus involves modular regulation of histone modifications during B-Cell development and in vivo occupancy at CTCF sites. 2005 , 25, 1511-25	103
1048	Haspin: a mitotic histone kinase required for metaphase chromosome alignment. 2005 , 4, 665-8	50

1047	Specificity and mechanism of the histone methyltransferase Pr-Set7. 2005 , 19, 1444-54	144
1046	RNAi as a bioinformatics consumer. 2005 , 6, 146-62	12
1045	Epigenetic basis for the transcriptional hyporesponsiveness of the human inducible nitric oxide synthase gene in vascular endothelial cells. 2005 , 175, 3846-61	114
1044	Reversible histone acetylation and deacetylation mediate genome-wide, promoter-dependent and locus-specific changes in gene expression during plant development. 2005 , 169, 337-45	135
1043	Inhibiting estrogen responses in breast cancer cells using a fusion protein encoding estrogen receptor-alpha and the transcriptional repressor PLZF. 2005 , 12, 452-60	12
1042	Analyzing histone modification using crosslinked chromatin treated with micrococcal nuclease. 2006 , 325, 315-25	2
1041	Apical role for BRG1 in cytokine-induced promoter assembly. 2005 , 102, 14611-6	72
1040	A cullin E3 ubiquitin ligase complex associates with Rik1 and the Clr4 histone H3-K9 methyltransferase and is required for RNAi-mediated heterochromatin formation. 2005 , 2, 106-11	131
1039	The dominant inhibitory chalcone synthase allele C2-Idf (inhibitor diffuse) from <i>Zea mays</i> (L.) acts via an endogenous RNA silencing mechanism. 2005 , 170, 1989-2002	47
1038	Chromatin remodeling factors and DNA replication. 2005 , 38, 1-30	14
1037	Epidermal growth factor-mediated inhibition of follicle-stimulating hormone-stimulated StAR gene expression in porcine granulosa cells is associated with reduced histone H3 acetylation. 2005 , 72, 862-71	25
1036	Tails of histones in DNA double-strand break repair. 2005 , 20, 153-63	16
1035	Release of methyl CpG binding proteins and histone deacetylase 1 from the Estrogen receptor alpha (ER) promoter upon reactivation in ER-negative human breast cancer cells. 2005 , 19, 1740-51	136
1034	Regulation of gene expression in magnocellular neurons in rat supraoptic nucleus during sustained hypoosmolality. 2005 , 146, 1254-67	26
1033	Isothiazolones as inhibitors of PCAF and p300 histone acetyltransferase activity. 2005 , 4, 1521-32	186
1032	Epigenetic and chromatin modifiers as targeted therapy of hematologic malignancies. 2005 , 23, 3971-93	282
1031	Chromatin mechanisms in <i>Drosophila</i> dosage compensation. 2005 , 38, 123-49	14
1030	Caught in conspiracy: cooperation between DNA methylation and histone H3K9 methylation in the establishment and maintenance of heterochromatin. 2005 , 83, 385-95	51

1029	How the chromatin fiber deals with topological constraints. 2005 , 71, 031910	28
1028	Relocation-dependent fate of duplicate genes. 2005 , 24, 529-42	23
1027	Regulation of the human cyclin C gene via multiple vitamin D3-responsive regions in its promoter. 2005 , 33, 2440-51	57
1026	Redox regulation of histone deacetylases and glucocorticoid-mediated inhibition of the inflammatory response. 2005 , 7, 144-52	63
1025	X-Chromosome Inactivation. 2005 ,	3
1024	Epigenetic changes in prostate cancer: implication for diagnosis and treatment. 2005 , 97, 103-15	238
1023	Nuclear Reprogramming. 2005 ,	1
1022	Increased lysine N-methylation of a 23-kDa protein during hepatic regeneration. 2005 , 37, 155-60	2
1021	RNA meets chromatin. 2005 , 19, 1635-55	473
1020	Tal1/SCL binding to pericentromeric DNA represses transcription. 2005 , 280, 12956-66	13
1019	Recruitment of DNA methyltransferase I to DNA repair sites. 2005 , 102, 8905-9	259
1018	Characterization of the yeast trimeric-SAS acetyltransferase complex. 2005 , 280, 11987-94	58
1017	UV irradiation stimulates histone acetylation and chromatin remodeling at a repressed yeast locus. 2005 , 102, 8650-5	124
1016	The expression of endothelial nitric-oxide synthase is controlled by a cell-specific histone code. 2005 , 280, 24824-38	181
1015	X box-like sequences in the MHC class II region maintain regulatory function. 2005 , 175, 1030-40	42
1014	Linker histone variants control chromatin dynamics during early embryogenesis. 2005 , 102, 5697-702	101
1013	Histone-modifying complexes regulate gene expression pertinent to the differentiation of the protozoan parasite <i>Toxoplasma gondii</i> . 2005 , 25, 10301-14	147
1012	Cutting edge: a critical role for gene silencing in preventing excessive type 1 immunity. 2005 , 175, 5606-10	33

1011	Retinoic acid-induced chromatin remodeling of mouse kappa opioid receptor gene. 2005 , 25, 3350-7	32
1010	Regulation of BRCA2 gene expression by the SLUG repressor protein in human breast cells. 2005 , 280, 17163-71	62
1009	Direct isolation and identification of promoters in the human genome. 2005 , 15, 830-9	70
1008	Molecular Models of Cancer Development. 2005 , 3-13	
1007	The human hyaluronan synthase 2 gene is a primary retinoic acid and epidermal growth factor responding gene. 2005 , 280, 14636-44	82
1006	Histone deacetylase activity is essential for the expression of HoxA9 and for endothelial commitment of progenitor cells. 2005 , 201, 1825-35	146
1005	Reading and function of a histone code involved in targeting corepressor complexes for repression. 2005 , 25, 324-35	90
1004	HIV-1 Tat interactions with p300 and PCAF transcriptional coactivators inhibit histone acetylation and neurotrophin signaling through CREB. 2005 , 280, 9390-9	38
1003	Leukemogenic MLL fusion proteins bind across a broad region of the Hox a9 locus, promoting transcription and multiple histone modifications. 2005 , 65, 11367-74	150
1002	ETO-2 associates with SCL in erythroid cells and megakaryocytes and provides repressor functions in erythropoiesis. 2005 , 25, 10235-50	113
1001	Histone H2B ubiquitylation is associated with elongating RNA polymerase II. 2005 , 25, 637-51	260
1000	Novel histone deacetylase inhibitors in the treatment of thyroid cancer. 2005 , 11, 3958-65	82
999	Histone modifications: combinatorial complexity or cumulative simplicity?. 2005 , 102, 5308-9	79
998	T-bet antagonizes mSin3a recruitment and transactivates a fully methylated IFN-gamma promoter via a conserved T-box half-site. 2005 , 102, 2034-9	47
997	Active chromatin domains are defined by acetylation islands revealed by genome-wide mapping. 2005 , 19, 542-52	356
996	Methylation of histone H4 by arginine methyltransferase PRMT1 is essential in vivo for many subsequent histone modifications. 2005 , 19, 1885-93	174
995	The vast majority of bone-marrow-derived cells integrated into mdx muscle fibers are silent despite long-term engraftment. 2005 , 102, 11852-7	36
994	Ets-2 repressor factor recruits histone deacetylase to silence human cytomegalovirus immediate-early gene expression in non-permissive cells. 2005 , 86, 535-544	55

993	DNA methylation-related chromatin modification in the regulation of mouse delta-opioid receptor gene. 2005 , 67, 2032-9	17
992	Cell cycle and developmental regulations of replication factors in mouse embryonic stem cells. 2005 , 280, 12976-87	83
991	Composition and histone substrates of polycomb repressive group complexes change during cellular differentiation. 2005 , 102, 1859-64	344
990	Domain-wide displacement of histones by activated heat shock factor occurs independently of Swi/Snf and is not correlated with RNA polymerase II density. 2005 , 25, 8985-99	120
989	Epigenetics and its implications for plant biology. 1. The epigenetic network in plants. 2005 , 96, 1143-64	126
988	Transgene Silencing. 1-32	10
987	Rendez-vous at mitosis: TRRAPed in the chromatin. 2005 , 4, 383-7	22
986	Proteomics and Protein-Protein Interactions. 2005 ,	10
985	Chromosomics. 2005 , 111, 101-6	32
984	Lysine 3 acetylation regulates the phosphorylation of yeast 6-phosphofructo-2-kinase under hypo-osmotic stress. 2005 , 386, 895-900	12
983	The core histone N-terminal tail domains negatively regulate binding of transcription factor IIIA to a nucleosome containing a 5S RNA gene via a novel mechanism. 2005 , 25, 241-9	28
982	Epigenetic Mechanisms of Gene Regulation. 2005 , 13-30	4
981	Nuclear levels and patterns of histone H3 modification and HP1 proteins after inhibition of histone deacetylases. 2005 , 118, 5035-46	98
980	Methylation of Tat by PRMT6 regulates human immunodeficiency virus type 1 gene expression. 2005 , 79, 124-31	163
979	Chromatin inactivation precedes de novo DNA methylation during the progressive epigenetic silencing of the RASSF1A promoter. 2005 , 25, 3923-33	116
978	The <i>Saccharomyces cerevisiae</i> Piccolo NuA4 histone acetyltransferase complex requires the Enhancer of Polycomb A domain and chromodomain to acetylate nucleosomes. 2005 , 25, 5535-42	67
977	Arginine methylation provides epigenetic transcription memory for retinoid-induced differentiation in myeloid cells. 2005 , 25, 5648-63	51
976	The histone chaperone TAF-I/SET/INHAT is required for transcription in vitro of chromatin templates. 2005 , 25, 797-807	56

975	Schizosaccharomyces pombe mst2+ encodes a MYST family histone acetyltransferase that negatively regulates telomere silencing. 2005 , 25, 8887-903	41
974	Relationship between histone H3 lysine 9 methylation, transcription repression, and heterochromatin protein 1 recruitment. 2005 , 25, 2525-38	279
973	PolyADP-ribosylation is involved in neurotrophic activity. 2005 , 25, 7420-8	80
972	Gene expression analysis of the function of the male-specific lethal complex in Drosophila. 2005 , 169, 2061-74	52
971	Class I histone deacetylase Thd1p affects nuclear integrity in Tetrahymena thermophila. 2005 , 4, 981-90	11
970	Suppression of histone H1 genes in Arabidopsis results in heritable developmental defects and stochastic changes in DNA methylation. 2005 , 169, 997-1008	72
969	Modulation of smooth muscle gene expression by association of histone acetyltransferases and deacetylases with myocardin. 2005 , 25, 364-76	142
968	Structural and sequence motifs of protein (histone) methylation enzymes. 2005 , 34, 267-94	272
967	Therapeutic implications of DNA methylation. 2005 , 1, 125-35	23
966	Characterization of lysine 56 of histone H3 as an acetylation site in Saccharomyces cerevisiae. 2005 , 280, 25949-52	97
965	In vitro and in vivo analyses of a Phe/Tyr switch controlling product specificity of histone lysine methyltransferases. 2005 , 280, 5563-70	142
964	Chromatin modification and the endothelial-specific activation of the E-selectin gene. 2005 , 280, 11192-202	56
963	Induction of KLF2 by fluid shear stress requires a novel promoter element activated by a phosphatidylinositol 3-kinase-dependent chromatin-remodeling pathway. 2005 , 280, 23371-9	64
962	The kinase haspin is required for mitotic histone H3 Thr 3 phosphorylation and normal metaphase chromosome alignment. 2005 , 19, 472-88	259
961	The growing pre-mRNA recruits actin and chromatin-modifying factors to transcriptionally active genes. 2005 , 19, 1871-84	49
960	Different domains control the localization and mobility of LIKE HETEROCHROMATIN PROTEIN1 in Arabidopsis nuclei. 2006 , 18, 133-45	40
959	Formation of an active tissue-specific chromatin domain initiated by epigenetic marking at the embryonic stem cell stage. 2005 , 25, 1804-20	110
958	A nonhistone protein-protein interaction required for assembly of the SIR complex and silent chromatin. 2005 , 25, 4514-28	76

957	Human THAP7 is a chromatin-associated, histone tail-binding protein that represses transcription via recruitment of HDAC3 and nuclear hormone receptor corepressor. 2005 , 280, 7346-58	51
956	Human histone demethylase LSD1 reads the histone code. 2005 , 280, 41360-5	190
955	Inducible covalent posttranslational modification of histone H3. 2005 , 2005, re4	48
954	Chromatin modifications on the inactive X chromosome. 2005 , 38, 91-122	6
953	HDAC inhibitors: double edge sword for TRAIL cancer therapy?. 2005 , 4, 1113-5	11
952	Histone modifications and transcription factor binding on chromatin ChIP-PCR assays. 2006 , 325, 273-83	3
951	Interactive effects of histone deacetylase inhibitors and TRAIL on apoptosis in human leukemia cells: Involvement of both death receptor and mitochondrial pathways. 2005 , 16, 1125	12
950	Molecular cloning and expression of a novel alternative splice variant of BRDT gene. 2005 , 15, 315	
949	Histone deacetylases as transcriptional activators? Role reversal in inducible gene regulation. 2005 , 2005, re11	54
948	Noncoding DNA, isochores and gene expression: nucleosome formation potential. 2005 , 33, 559-63	56
947	Functional analysis of the N- and C-terminus of mammalian G9a histone H3 methyltransferase. 2005 , 33, 3211-23	42
946	Alteration of the nucleosomal DNA path in the crystal structure of a human nucleosome core particle. 2005 , 33, 3424-34	106
945	The two faces of NFkappaB in cell survival responses. 2005 , 4, 1342-5	52
944	Epigenetic control of replication origins. 2005 , 4, 889-92	29
943	Inhibitors of histone deacetylases alter kinetochore assembly by disrupting pericentromeric heterochromatin. 2005 , 4, 717-26	97
942	Mechanisms of selective anticancer action of histone deacetylase inhibitors. 2005 , 4, 741-3	36
941	The elongata mutants identify a functional Elongator complex in plants with a role in cell proliferation during organ growth. 2005 , 102, 7754-9	132
940	Role of polycomb group proteins in stem cell self-renewal and cancer. 2005 , 24, 117-25	132

939	Sequence specificity and role of proximal amino acids of the histone H3 tail on catalysis of murine G9A lysine 9 histone H3 methyltransferase. 2005 , 44, 12998-3006	29
938	A conserved, extended chromatin opening within alpha-globin locus during development. 2005 , 309, 174-84	8
937	Epigenetic silencing in embryogenesis. 2005 , 309, 241-9	23
936	Overview of cancer epigenetics. 2005 , 42, S3-8	69
935	Herpesviral latency-associated transcript gene promotes assembly of heterochromatin on viral lytic-gene promoters in latent infection. 2005 , 102, 16055-9	189
934	Visualising DNA: footprinting and 1-2D gels. 2005 , 1, 287-93	5
933	Chromatin remodeling in dosage compensation. 2005 , 39, 615-51	235
932	Clinical development of histone deacetylase inhibitors as anticancer agents. 2005 , 45, 495-528	511
931	Conversion of DNA methyltransferases into azidonucleosidyl transferases via synthetic cofactors. 2005 , 33, 1644-52	48
930	DNA Methylation, Epigenetics and Metastasis. 2005 ,	1
929	Cross-talking histones: implications for the regulation of gene expression and DNA repair. 2005 , 83, 460-7	46
928	Maintenance and regulation of DNA methylation patterns in mammals. 2005 , 83, 438-48	71
927	"Chromatomics" the analysis of the chromatome. 2005 , 1, 112-6	9
926	The silence of the genes: epigenetic disturbances in haematopoietic malignancies. 2005 , 9, 45-61	12
925	Histone structure and nucleosome stability. 2005 , 2, 719-29	179
924	Identification and characterization of a novel human histone H3 lysine 36-specific methyltransferase. 2005 , 280, 35261-71	182
923	Acetylation of GATA-4 is involved in the differentiation of embryonic stem cells into cardiac myocytes. 2005 , 280, 19682-8	109
922	Mechanisms of DNA Demethylating Drugs Against Cancer Progression. 2005 , 243-267	1

921	Genome-wide analysis of chromosomal features repressing human immunodeficiency virus transcription. 2005 , 79, 6610-9	224
920	Split decision: what happens to nucleosomes during DNA replication?. 2005 , 280, 12065-8	140
919	CXCR4 chemokine receptors, histone deacetylase inhibitors and acute lymphoblastic leukemia. 2005 , 46, 1545-51	20
918	DNA Repair in the Context of Chromatin. 2005 , 4, 513-512	58
917	Structure-based optimization of phenylbutyrate-derived histone deacetylase inhibitors. 2005 , 48, 5530-5	89
916	Interplay of flexibility and stability in the control of estrogen receptor activity. 2005 , 44, 790-8	8
915	DNA methyltransferase inhibitors and the development of epigenetic cancer therapies. 2005 , 97, 1498-506	385
914	DNA methylation and gene silencing in cancer. 2005 , 2 Suppl 1, S4-11	835
913	Histone deacetylase inhibitors: insights into mechanisms of lethality. 2005 , 9, 809-24	104
912	o-nitrobenzenesulfonamides in nucleoside synthesis: efficient 5'-aziridination of adenosine. 2005 , 70, 5833-9	12
911	How obesity causes diabetes: not a tall tale. <i>Science</i> , 2005 , 307, 373-5	33-3 433
910	Chromatin remodeling complexes: ATP-dependent machines in action. 2005 , 83, 405-17	62
909	Modifications of human histone H3 variants during mitosis. 2005 , 44, 13202-13	77
908	Developmental regulation of the Hox genes during axial morphogenesis in the mouse. 2005 , 132, 2931-42	266
907	The theoretical basis of transcriptional therapy of cancer: can it be put into practice?. 2005 , 23, 3957-70	28
906	Saturation transfer difference measurements with SU(VAR)3-9 and S-adenosyl-L-methionine. 2005 , 44, 6208-13	8
905	Uptake, localization, and noncarboxylase roles of biotin. 2005 , 25, 175-96	133
904	Akt-mediated phosphorylation of EZH2 suppresses methylation of lysine 27 in histone H3. <i>Science</i> , 2005 , 310, 306-10	33-3 425

903	Nucleosomes in solution exist as a mixture of twist-defect states. 2005 , 345, 103-14	49
902	Specific contributions of histone tails and their acetylation to the mechanical stability of nucleosomes. 2005 , 346, 135-46	152
901	Spatio-temporal activation of chromatin on the human CYP24 gene promoter in the presence of 1alpha,25-Dihydroxyvitamin D3. 2005 , 350, 65-77	118
900	Chromatin marks and machines, the missing nucleosome is a theme: gene regulation up and downstream. 2005 , 17, 323-30	6
899	Transcriptional silencing of nonsense codon-containing immunoglobulin minigenes. 2005 , 18, 307-17	62
898	Arginine methylation an emerging regulator of protein function. 2005 , 18, 263-72	885
897	Histone H3 lysine 9 methylation and HP1gamma are associated with transcription elongation through mammalian chromatin. 2005 , 19, 381-91	548
896	The dynamics of chromatin remodeling at promoters. 2005 , 19, 147-57	162
895	SUMO modification is involved in the maintenance of heterochromatin stability in fission yeast. 2005 , 19, 817-28	70
894	Monoubiquitination of human histone H2B: the factors involved and their roles in HOX gene regulation. 2005 , 20, 601-11	367
893	The human homolog of yeast BRE1 functions as a transcriptional coactivator through direct activator interactions. 2005 , 20, 759-70	230
892	Regulatory events in early and late B-cell differentiation. 2005 , 42, 749-61	51
891	Shaping the human NK cell repertoire: an epigenetic glance at KIR gene regulation. 2005 , 42, 471-5	50
890	Rush hour at the promoter: how the ubiquitin-proteasome pathway polices the traffic flow of nuclear receptor-dependent transcription. 2005 , 93, 139-51	58
889	Does the cell-brain theory work in explaining carcinogenesis?. 2005 , 65, 708-15	1
888	A boundary for histone acetylation allows distinct expression patterns of the Ad4BP/SF-1 and GCNF loci in adrenal cortex cells. 2005 , 329, 554-62	17
887	T-cell specific enhancement of histone H3 acetylation in 5' flanking region of the IL-2 gene. 2005 , 331, 589-94	11
886	Histone variant macroH2A1.2 is mono-ubiquitinated at its histone domain. 2005 , 336, 204-9	23

885	The key to development: interpreting the histone code?. 2005 , 15, 163-76	605
884	DNA methylation and histone modifications: teaming up to silence genes. 2005 , 15, 490-5	506
883	A genomic perspective on the chromodomain-containing retrotransposons: Chromoviruses. 2005 , 347, 161-73	60
882	Sterile 20 kinase phosphorylates histone H2B at serine 10 during hydrogen peroxide-induced apoptosis in <i>S. cerevisiae</i> . 2005 , 120, 25-36	210
881	Mechanism of transcriptional silencing in yeast. 2005 , 120, 37-48	68
880	Genomic maps and comparative analysis of histone modifications in human and mouse. 2005 , 120, 169-81	1198
879	Telomeric heterochromatin propagation and histone acetylation control mutually exclusive expression of antigenic variation genes in malaria parasites. 2005 , 121, 25-36	387
878	Assembly of the SIR complex and its regulation by O-acetyl-ADP-ribose, a product of NAD-dependent histone deacetylation. 2005 , 121, 515-527	223
877	The Set1 methyltransferase opposes Ipl1 aurora kinase functions in chromosome segregation. 2005 , 122, 723-34	121
876	Genome-wide dynamics of Htz1, a histone H2A variant that poises repressed/basal promoters for activation through histone loss. 2005 , 123, 219-31	417
875	Smads and chromatin modulation. 2005 , 16, 495-512	23
874	Histone metabolic pathways and chromatin assembly factors as proliferation markers. 2005 , 220, 1-9	39
873	Does gammaH2AX foci formation depend on the presence of DNA double strand breaks?. 2005 , 229, 171-9	190
872	Structure and dynamic properties of nucleosome core particles. 2005 , 579, 895-8	61
871	Histone demethylation catalysed by LSD1 is a flavin-dependent oxidative process. 2005 , 579, 2203-7	213
870	Roles for lysine residues of the MH2 domain of Smad3 in transforming growth factor-beta signaling. 2005 , 579, 2853-62	5
869	An archaeal SET domain protein exhibits distinct lysine methyltransferase activity towards DNA-associated protein MC1-alpha. 2005 , 579, 3859-65	22
868	Yeast HAT1 and HAT2 deletions have different life-span and transcriptome phenotypes. 2005 , 579, 4063-8	9

867	Production of constitutively acetylated recombinant p53 from yeast and Escherichia coli by tethered catalysis. 2005 , 41, 417-25	7
866	Extensive and orderly reprogramming of genome-wide chromatin modifications associated with specification and early development of germ cells in mice. 2005 , 278, 440-58	414
865	Dynamic chromatin modifications characterise the first cell cycle in mouse embryos. 2005 , 280, 225-36	338
864	Testicular expression of small ubiquitin-related modifier-1 (SUMO-1) supports multiple roles in spermatogenesis: silencing of sex chromosomes in spermatocytes, spermatid microtubule nucleation, and nuclear reshaping. 2005 , 282, 480-92	92
863	Transcript profiling during mouse oocyte development and the effect of gonadotropin priming and development in vitro. 2005 , 286, 493-506	191
862	Mass spectrometric analysis of histone posttranslational modifications. 2005 , 36, 383-94	37
861	The emerging therapeutic potential of sirtuin-interacting drugs: from cell death to lifespan extension. 2005 , 26, 94-103	151
860	Stem cells: from epigenetics to microRNAs. 2005 , 46, 363-7	115
859	Chromatin remodeling is a key mechanism underlying cocaine-induced plasticity in striatum. 2005 , 48, 303-14	615
858	Signaling to the chromatin during skeletal myogenesis: novel targets for pharmacological modulation of gene expression. 2005 , 16, 596-611	38
857	Assembly of silent chromatin during thymocyte development. 2005 , 17, 129-40	26
856	BCL11A-dependent recruitment of SIRT1 to a promoter template in mammalian cells results in histone deacetylation and transcriptional repression. 2005 , 434, 316-25	52
855	Epigenetic regulation by histone methylation and histone variants. 2005 , 19, 563-73	226
854	Compaction kinetics on single DNAs: purified nucleosome reconstitution systems versus crude extract. 2005 , 89, 3647-59	27
853	How does the histone code work?. 2005 , 83, 468-76	170
852	Epigenetic silencing of the MGMT gene in cancer. 2005 , 83, 429-37	70
851	Biology of chromatin dynamics. 2005 , 56, 327-51	50
850	Remembering winter: toward a molecular understanding of vernalization. 2005 , 56, 491-508	200

849	Tumour suppressor retinoblastoma protein Rb: a transcriptional regulator. 2005 , 41, 2415-27	59
848	Schizophrenia, epigenetics and ligand-activated nuclear receptors: a framework for chromatin therapeutics. 2005 , 72, 79-90	77
847	A calcium-based theory of carcinogenesis. 2005 , 94, 231-63	36
846	Retroelements: tools for sex chromosome evolution. 2005 , 110, 134-43	53
845	Observing S-phase dynamics of histone modifications with fluorescently labeled antibodies. 2006 , 325, 139-48	5
844	Drug insight: Histone deacetylase inhibitors--development of the new targeted anticancer agent suberoylanilide hydroxamic acid. 2005 , 2, 150-7	272
843	From genome to epigenome. 2005 , 14 Spec No 1, R3-R10	125
842	Zinc Finger Proteins. 2005 ,	17
841	Epigenetics and Chromatin. 2005 ,	2
840	Assembly of variant histones into chromatin. 2005 , 21, 133-53	230
839	DNA Methyltransferase Inhibitors. 2005 , 187-204	
838	Mechanism and control of V(D)J recombination versus class switch recombination: similarities and differences. 2005 , 86, 43-112	199
837	Psoralen photocrosslinking, a tool to study the chromatin structure of RNA polymerase I--transcribed ribosomal genes. 2005 , 83, 449-59	34
836	The discovery, positioning and verification of a set of transcription-associated motifs in vertebrates. 2005 , 6, R104	38
835	Epigenetic regulation of stem cell differentiation. 2006 , 59, 21R-5R	111
834	Chemokine receptor expression in effector and memory T cell subsets. 2006 , 55-70	
833	Fungal Genomics. 2006 ,	5
832	Corticosteroid insensitivity in smokers with asthma : clinical evidence, mechanisms, and management. 2006 , 5, 467-81	17

831	Genomic imprinting in the mealybugs. 2006 , 113, 41-52	45
830	Chromatin assembly factor 1 interacts with histone H3 methylated at lysine 79 in the processes of epigenetic silencing and DNA repair. 2006 , 45, 2852-61	61
829	How is epigenetic information on chromatin inherited after DNA replication?. 2006 , 89-96	9
828	The imprinted mouse Igf2r/Air cluster--a model maternal imprinting system. 2006 , 113, 165-77	21
827	Biological activity and biotechnological aspects of peptide nucleic acid. 2006 , 56, 1-51	86
826	Life and semiosis: The real nature of information and meaning. 2006 , 2006,	6
825	The benzamide MS-275 is a potent, long-lasting brain region-selective inhibitor of histone deacetylases. 2006 , 103, 1587-92	193
824	DNA Methylation: Development, Genetic Disease and Cancer. 2006 ,	2
823	Is histone loss a common feature of DNA metabolism regulation?. 2006 , 84, 450-62	4
822	Curcumin-induced histone hypoacetylation enhances caspase-3-dependent glioma cell death and neurogenesis of neural progenitor cells. 2006 , 15, 165-74	139
821	The pro-inflammatory cytokines, IL-1beta and TNF-alpha, inhibit intestinal alkaline phosphatase gene expression. 2006 , 25, 684-95	39
820	Effects of KNK437 on heat-induced methylation of histone H3 in human oral squamous cell carcinoma cells. 2006 , 22, 729-35	7
819	Complex disease, gender and epigenetics. 2006 , 38, 530-44	169
818	Histone deacetylase inhibitors in cancer therapy. 2006 , 24, 521-7	40
817	Isolation and characterization of coactivator-binding peptoids from a combinatorial library. 2006 , 2, 568-79	39
816	Genome-wide mapping of Polycomb target genes unravels their roles in cell fate transitions. 2006 , 20, 1123-36	960
815	Eukaryotic DNA replication in a chromatin context. 2006 , 76, 129-84	39
814	Noncoding RNAs of trithorax response elements recruit Drosophila Ash1 to Ultrabithorax. <i>Science</i> , 2006 , 311, 1118-23	333 203

813	Chromatin modifications by methylation and ubiquitination: implications in the regulation of gene expression. 2006 , 75, 243-69	881
812	Of extracellular matrix, scaffolds, and signaling: tissue architecture regulates development, homeostasis, and cancer. 2006 , 22, 287-309	842
811	Epigenetic gene regulation in the bacterial world. 2006 , 70, 830-56	394
810	ERK/MAPK regulates hippocampal histone phosphorylation following contextual fear conditioning. 2006 , 13, 322-8	273
809	Accessibility control of V(D)J recombination. 2006 , 91, 45-109	116
808	Posttranslational protein modifications: current implications for cancer detection, prevention, and therapeutics. 2006 , 5, 1799-810	168
807	Evidence for the existence of an HP1-mediated subcode within the histone code. 2006 , 8, 407-15	152
806	PML-associated repressor of transcription (PAROT), a novel KRAB-zinc finger repressor, is regulated through association with PML nuclear bodies. 2006 , 312, 901-12	16
805	Chromatin modulation and the DNA damage response. 2006 , 312, 2677-86	32
804	CRM1 mediates nuclear export of HDAC7 independently of HDAC7 phosphorylation and association with 14-3-3s. 2006 , 580, 5096-104	22
803	Immunohistochemical analysis of histone H3 acetylation and methylation--evidence for altered epigenetic signaling following traumatic brain injury in immature rats. 2006 , 1070, 31-4	57
802	Cardiac Hypertrophy: Molecular and Cellular Events. 2006 , 59, 473-486	10
801	EGFP-tagged core and linker histones diffuse via distinct mechanisms within living cells. 2006 , 91, 2326-36	34
800	Applying whole-genome studies of epigenetic regulation to study human disease. 2006 , 114, 1-15	48
799	Silenced tumor suppressor genes reactivated by DNA demethylation do not return to a fully euchromatic chromatin state. 2006 , 66, 3541-9	249
798	Hipertrofia cardiaca: eventos moleculares y celulares. 2006 , 59, 473-486	58
797	Lung epithelium as a sentinel and effector system in pneumonia--molecular mechanisms of pathogen recognition and signal transduction. 2006 , 7, 97	111
796	Identification and characterization of Smyd2: a split SET/MYND domain-containing histone H3 lysine 36-specific methyltransferase that interacts with the Sin3 histone deacetylase complex. 2006 , 5, 26	220

795	Epigenetic aberrations and cancer. 2006 , 5, 60	112
794	SUV39H1 interacts with HTLV-1 Tax and abrogates Tax transactivation of HTLV-1 LTR. 2006 , 3, 5	31
793	In situ methods to localize transgenes and transcripts in interphase nuclei: a tool for transgenic plant research. 2006 , 2, 18	11
792	Genomic imprinting in plants and mammals: how life history constrains convergence. 2006 , 113, 53-67	50
791	Sumoylation of the yeast Gcn5 protein. 2006 , 45, 1035-42	22
790	PARP and Epigenetic Regulation. 2006 , 91-102	1
789	The Mad side of the Max network: antagonizing the function of Myc and more. 2006 , 302, 63-122	68
788	Mechanisms for nucleosome movement by ATP-dependent chromatin remodeling complexes. 2006 , 41, 127-48	35
787	Regulation of Th2 differentiation and Il4 locus accessibility. 2006 , 24, 607-56	534
786	Long-range histone acetylation: biological significance, structural implications, and mechanisms. 2006 , 84, 518-27	41
785	Genome-wide analysis of protein-DNA interactions. 2006 , 7, 81-102	133
784	How to build a centromere: from centromeric and pericentromeric chromatin to kinetochore assembly. 2006 , 84, 619-39	35
783	Update on glucocorticoid action and resistance. 2006 , 117, 522-43	305
782	Mass spectrometric characterization of human histone H3: a bird's eye view. 2006 , 5, 240-7	173
781	Arginine methylation in a beta-hairpin peptide: implications for Arg-pi interactions, DeltaCp(o), and the cold denatured state. 2006 , 128, 12735-42	66
780	Precise characterization of human histones in the H2A gene family by top down mass spectrometry. 2006 , 5, 248-53	142
779	Gene expression programs during shoot, root, and callus development in Arabidopsis tissue culture. 2006 , 141, 620-37	194
778	Gene-specific characterization of human histone H2B by electron capture dissociation. 2006 , 5, 233-9	97

777	Regulation of L-histidine decarboxylase and its role in carcinogenesis. 2006 , 81, 231-70	9
776	Aromatic sulfide inhibitors of histone deacetylase based on arylsulfinyl-2,4-hexadienoic acid hydroxyamides. 2006 , 49, 800-5	20
775	Recognition of histone H3 lysine-4 methylation by the double tudor domain of JMJD2A. <i>Science</i> , 2006 , 312, 748-51	33-3 364
774	Step out of the groove: epigenetic gene control systems and engineered transcription factors. 2006 , 56, 163-204	24
773	Explanatory Loops and the Limits of Genetic Reductionism. 2006 , 20, 267-283	5
772	Acetylation and phosphorylation of high-mobility group A1 proteins in PC-3 human tumor cells. 2006 , 45, 7194-201	16
771	Epigenetics, disease, and therapeutic interventions. 2006 , 5, 449-67	82
770	Restoration of native folding of single-stranded DNA sequences through reverse mutations: an indication of a new epigenetic mechanism. 2006 , 453, 108-22	20
769	Compatibility in the <i>Biomphalaria glabrata</i> / <i>Echinostoma caproni</i> model: Potential involvement of proteins from hemocytes revealed by a proteomic approach. 2006 , 98, 234-46	54
768	A bivalent chromatin structure marks key developmental genes in embryonic stem cells. 2006 , 125, 315-26	4097
767	Reversal of histone lysine trimethylation by the JMJD2 family of histone demethylases. 2006 , 125, 467-81	794
766	Histone lysine demethylases and their impact on epigenetics. 2006 , 125, 213-7	175
765	A role for TFIIIC transcription factor complex in genome organization. 2006 , 125, 859-72	240
764	Histone deacetylase 7 maintains vascular integrity by repressing matrix metalloproteinase 10. 2006 , 126, 321-34	365
763	New histone incorporation marks sites of UV repair in human cells. 2006 , 127, 481-93	209
762	Epigenetic regulation of Th1 and Th2 cell development. 2006 , 20, 317-24	64
761	Characterization of a human SWI2/SNF2 like protein hINO80: demonstration of catalytic and DNA binding activity. 2006 , 339, 313-20	25
760	Dicer and positive charge of proteins decrease the stability of RNA containing the AU-rich element of GM-CSF. 2006 , 340, 807-14	7

759	Association of Polycomb group SUZ12 with WD-repeat protein MEP50 that binds to histone H2A selectively in vitro. 2006 , 345, 1051-8	25
758	Dynamic changes in chromatin acetylation and the expression of histone acetyltransferases and histone deacetylases regulate the SM22alpha transcription in response to Smad3-mediated TGFbeta1 signaling. 2006 , 348, 351-8	48
757	Aspirin upregulates expression of urokinase type plasminogen activator receptor (uPAR) gene in human colon cancer cells through AP1. 2006 , 348, 618-27	6
756	Transcriptional repression activity of PAX3 is modulated by competition between corepressor KAP1 and heterochromatin protein 1. 2006 , 349, 573-81	19
755	Developmental changes in DNA methylation and covalent histone modifications of chromatin associated with the epsilon-, gamma-, and beta-globin gene promoters in <i>Papio anubis</i> . 2006 , 36, 269-78	21
754	Epigenetic alchemy for cell fate conversion. 2006 , 16, 502-7	39
753	Histone demethylation and androgen-dependent transcription. 2006 , 16, 513-7	27
752	[The role of epigenetic regulation in etiology of major depressive disorder]. 2008 , 30, 665-70	1
751	[Inheritance and expression stability of transgene in transgenic animals]. 2011 , 33, 504-11	2
750	[Methylation and acetylation of histones during spermatogenesis]. 2011 , 33, 939-46	1
749	The Regulation of Histone Modifications*. 2009 , 2009, 1252-1259	5
748	Effect of histone deacetylase inhibitor on proliferation of biliary tract cancer cell lines. 2008 , 14, 2578-81	14
747	Re-expression of methylation-induced tumor suppressor gene silencing is associated with the state of histone modification in gastric cancer cell lines. 2007 , 13, 6166-71	28
746	Epigenetics and pancreatic cancer: pathophysiology and novel treatment aspects. 2014 , 20, 7830-48	71
745	Role of epigenetics in transformation of inflammation into colorectal cancer. 2019 , 25, 2863-2877	31
744	Studying epigenetic interactions using MicroScale Thermophoresis (MST). 2015 , 2, 370-380	8
743	Chromatin as global buffer for eukaryotic gene control. 2015 , 2, 531-554	3
742	Histone glycation: Linking metabolic perturbation with epigenetic misregulation in cancer. 2019 , 6, 14-16	5

741	Prediction of Epigenetic Target Sites by Using Genomic DNA Sequence. 2011 , 187-201	1
740	The Heterochromatin-1 Phosphorylation Contributes to TPA-Induced AP-1 Expression. 2014 , 22, 308-13	4
739	Prostate cancer epigenetics and its clinical implications. 2016 , 18, 549-58	23
738	Epigenetics in oral squamous cell carcinoma. 2017 , 21, 252-259	43
737	Increased brain-derived neurotrophic factor exon IV histone 3 lysine 9 dimethylation in patients with schizophrenia. 2019 , 33, 99	1
736	Histone deacetylase inhibition redistributes topoisomerase III β from heterochromatin to euchromatin. 2011 , 2, 61-71	16
735	Histones: Controlling Tumor Signaling Circuitry. 2013 , 1, 1-12	15
734	Histone Chaperones: Functions beyond Nucleosome Deposition. 2014 , 05, 546-556	2
733	Role of histone deacetylases in pancreas: Implications for pathogenesis and therapy. 2015 , 7, 473-83	15
732	Lack of the Histone Methyltransferase Gene Ash2 Results in the Loss of Citrinin Production in <i>Monascus purpureus</i> . 2020 , 83, 702-709	3
731	Epigenetic changes (aberrant DNA methylation) in colorectal neoplasia. 2007 , 1, 1-11	34
730	Synthesis and Importance of Bulky Aromatic Cap of Novel SAHA Analogs for HDAC Inhibition and Anticancer Activity. 2011 , 32, 1891-1896	0
729	Can epigenetic and inflammatory biomarkers identify clinically aggressive prostate cancer?. 2020 , 11, 43-52	9
728	Analysis of the Hox epigenetic code. 2012 , 3, 48-56	2
727	Epigenetic mechanisms in human physiology and diseases. 2011 , 1, 139	8
726	Epigenetic modification is linked to Alzheimer's disease: is it a maker or a marker?. 2010 , 43, 649-55	33
725	Histone H4 is cleaved by granzyme A during staurosporine-induced cell death in B-lymphoid Raji cells. 2016 , 49, 560-565	10
724	Histone tail cleavage as a novel epigenetic regulatory mechanism for gene expression. 2018 , 51, 211-218	19

723	Epigenetic aspects of telomeric chromatin in Arabidopsis thaliana. 2019 , 52, 175-180	2
722	Epigenetics of epithelial Na(+) channel-dependent sodium uptake and blood pressure regulation. 2015 , 4, 363-6	4
721	Detection and characterization of regulatory elements using probabilistic conditional random field and hidden Markov models. 2013 , 32, 186-94	3
720	Next-generation sequencing and epigenomics research: a hammer in search of nails. 2014 , 12, 2-11	45
719	Computational Epigenetics: the new scientific paradigm. 2010 , 4, 331-7	29
718	Methylation of O6-methyl guanine methyltransferase gene promoter in meningiomas--comparison between tumor grades I, II, and III. 2014 , 15, 33-8	13
717	Histone demethylase Lsd1 represses hematopoietic stem and progenitor cell signatures during blood cell maturation. 2013 , 2, e00633	178
716	Heterochromatin assembly by interrupted Sir3 bridges across neighboring nucleosomes. 2016 , 5,	17
715	Histone gene replacement reveals a post-transcriptional role for H3K36 in maintaining metazoan transcriptome fidelity. 2017 , 6,	20
714	Inhibition of IRF4 in dendritic cells by PRR-independent and -dependent signals inhibit Th2 and promote Th17 responses. 2020 , 9,	9
713	Improving drug discovery using image-based multiparametric analysis of the epigenetic landscape. 2019 , 8,	7
712	Transcriptional regulation of endothelial dysfunction in atherosclerosis: an epigenetic perspective. 2014 , 28, 47-52	14
711	Multifactorial Causation of Spina Bifida and Its Prevention. 2013 , 22, 256-268	1
710	Transcription factor 3 (TCF3) combined with histone deacetylase 3 (HDAC3) down-regulates microRNA-101 to promote Burkitt lymphoma cell proliferation and inhibit apoptosis. 2021 , 12, 7995-8005	4
709	Dynamical modeling of the H3K27 epigenetic landscape in mouse embryonic stem cells.	0
708	Genetically Encoded Benzoyllysines Serve as Versatile Probes for Interrogating Histone Benzoylation and Interactions in Living Cells. 2021 , 16, 2560-2569	3
707	Recent Issues in Varicella-Zoster Virus Latency. 2021 , 13,	2
706	Targeting /HP1 Induces LEF-1 and IL-21R to Promote Tumor-Infiltrating CD8 T-Cell Persistence. 2021 , 12, 738958	0

705	Effects of small-molecule compounds on fibroblast properties in golden snub-nosed monkey (<i>Rhinopithecus roxellana</i>). 2021 , 50, 323-331	
704	Single-Cell Genomics: Catalyst for Cell Fate Engineering. 2021 , 9, 748942	
703	Differential gene expression-based connectivity mapping identified novel drug candidate and improved Temozolomide efficacy for Glioblastoma. 2021 , 40, 335	2
702	Cell Biology of Giant Cell Tumour of Bone: Crosstalk between m/wt Nucleosome H3.3, Telomeres and Osteoclastogenesis. 2021 , 13,	2
701	Structure, Activity and Function of the Dual Protein Lysine and Protein N-Terminal Methyltransferase METTL13. 2021 , 11,	0
700	Interplay between chromatin marks in development and disease. 2021 ,	8
699	Effects of Oncohistone Mutations and PTM Crosstalk on the N-terminal Acetylation Activities of NatD.	0
698	A molecular switch between mammalian MLL complexes dictates response to Menin-MLL inhibition.	1
697	Epigenetic Silencing of BMP6 by the SIN3A-HDAC1/2 Repressor Complex Drives Melanoma Metastasis via FAM83G/PAWS1. 2021 ,	2
696	Quantitative Acetyloomics Revealed Acetylation-Mediated Molecular Pathway Network Changes in Human Nonfunctional Pituitary Neuroendocrine Tumors. 2021 , 12, 753606	1
695	Epigenetic modification in alcohol use disorder and alcoholic cardiomyopathy: From pathophysiology to therapeutic opportunities. 2021 , 125, 154909	1
694	Bacterial protein acetylation and its role in cellular physiology and metabolic regulation. 2021 , 53, 107842	2
693	The Transcription of Genes. 2001 , 1603-1667	
692	Organization, Replication, Transposition, and Repair of DNA. 2001 , 1529-1601	
691	References. 2003 , 283-321	
690	Nuclear Receptor Coactivators. 2003 , 25-28	
689	Histone modifications--marks for gene expression?. 2003 , 544, 169-80	
688	Multiple Signaling Routes to Histone Phosphorylation. 2003 , 91-98	

687 Corepressors in Mediating Repression by Nuclear Receptors. **2003**, 29-33

686 Overview of Chromosomal Instability and Aging Mechanisms. **2003**,

685 Chromatin, Aging, and Cellular Senescence. **2003**,

684 Retinoids. **2003**, 316-348

683 Trilogies of Histone Lysine Methylation as Epigenetic Landmarks of the Eukaryotic Genome. **2004**, 69, 1-10

682 Genetische Grundlagen der Kanzerogenese. **2004**, 75-145

1

681 Genome Defense and DNA Methylation in Neurospora. **2004**, 69, 1-6

680 The Chromatin Accessibility Complex: Chromatin Dynamics through Nucleosome Sliding. **2004**, 69, 1-8

679 DNA Methylation of the Endogenous PAI Genes in Arabidopsis. **2004**, 69, 1-10

678 Epigenetic Variation and Phenotypic Diversity. **2004**, 1-4

677 Histones.

676 Histone Phosphorylation.

675 Control and Silencing of Transgene Expression.

1

674 . **2004**,

673 . **2004**,

672 . **2004**,

671 Impact of DNA Methylation on Health and Disease. **2004**, 15-24

670 . **2004**,

669 . 2004,

668 . 2004,

667 . 2004,

666 Roles for Biotinylation of Histones in Chromatin Structure. 2005,

665 . 2005,

664 . 2005,

663 . 2005,

662 . 2005,

661 . 2005,

660 . 2005,

659 . 2005,

658 . 2005,

657 . 2005,

656 . 2005,

655 . 2005,

654 Haplotype Structure and Pharmacogenomics. 2005, 441-459

653 Pantothenic Acid and Biotin. 2005, 123-138

652 ?????????????????LCR?????????. 2006, 2006, 122_23-122_31

651 REFERENCES. **2006**, 241-273

650 The Actions of the Vitamin D Receptor in Health and Malignancy; Polymorphic Associations and Gene Regulatory Actions. **2006**, 129-175

649 Regulation of E2F-Responsive Genes through Histone Modifications. **2006**, 73-80

648 [Histone demethylation isn't what it used to be]. **2006**, 22, 361-3

647 Regulation of Nuclear NF- κ B Action. **2006**, 87-105

646 Molecular biomarkers: new approaches in ovarian cancer diagnosis. **2006**, 22, 403-424

645 The use of in vitro transcription to probe regulatory functions of viral protein domains. **2007**, 131, 15-31 1

644 Myelodysplasia-Related AML. **2007**, 43-70

643 Human Papillomavirus E6 and E7 Oncogenes. **2007**, 197-252 4

642 Histone Lysine Methylation. **2007**, 17, 444-453

641 Histone methylation and transcription. **2007**, 17, 593-598

640 Vitamin-Dependent Modifications of Chromatin. **2007**,

639 Toward Personalized Nutrition for the Prevention and Treatment of Cancer. **2007**, 75-87

638 Tissue-specific Locus Control: Structure and Function.

637 Matroclinous Inheritance of Behavioral Traits: Possible Mechanisms. **2007**, 5, 44-54 3

636 Adult Consequences of Neonatal and Fetal Nutrition: Mechanisms. **2008**, 318-352

635 Histone Methyltransferase and Smad Interactions in BMP Signaling. **2008**, 383-393

634 Histone Deacetylase Inhibitors and Anticancer Activity. **2008**, 115-131

- 633 Use of synthetic peptides for identifying biotinylation sites in human histones. **2008**, 418, 139-48 2
- 632 Chromatin Structure and Human Genome Evolution.
- 631 Transcription Factors. 1
- 630 Imprinting Alterations in Tumorigenesis. **2008**, 51-63
- 629 Proteins That Alter Histone Modifications in Cancer. **2008**, 181-195
- 628 Histone Modifications in Cancer Biology and Prognosis. **2008**, 359-379
- 627 SUMO and Chromatin Remodelling. **2009**, 59-76
- 626 Stem Cell Epigenetics. **2009**, 235-246 1
- 625 Stem Cell Chromatin Patterns and DNA Hypermethylation. **2009**, 85-97
- 624 Targeting the Sumoylation Pathway. **2009**, 81-97
- 623 Ab Initio Quantum Mechanical/Molecular Mechanical Studies of Histone Modifying Enzymes. **2009**, 341-350
- 622 Mammalian Transcriptional Gene Silencing by Small RNAs. **2009**, 393-404
- 621 Regulation of Gene Expression by RNA-Mediated Transcriptional Gene Silencing. **2009**, 405-417
- 620 Aberrations of the Epigenome in Gliomas: Novel Targets for Therapy. **2010**, 185-202
- 619 Germ Cell Specific Methylation Pattern: Erasure and Reestablishment. **2009**, 43-56
- 618 Chromatin Structure in Senescent Cells. **2010**, 125-174
- 617 Natural Genome Editing Competences of Viruses and Virus-Like Agents. **2010**, 129-147
- 616 Cancer Biology and Nutrigenomics. **2010**, 25-43

615 TGF- β /Smad3 pathway activates Sox9-dependent chondrogenesis. **2010**, 122, 95-99

614 Dietary Effect on Epigenetics During the Aging Process. **2010**, 407-416

2

613 Nuclear Receptor Coactivators. **2010**, 1999-2004

612 Epigenetic Changes in Cancer: Role of Environment. **2010**, 153-196

2

611 Environmental Effects on Age-Associated Epigenetics. **2010**, 417-429

610 Histone-Modifying Drugs in Aging. **2010**, 395-406

609 Contribuci3n de la epigen3tica al manejo personalizado del c3ncer. **2010**, 301-320

608 Diversity of Vitamin D Target Genes. **2010**, 255-274

607 Chromatin Remodelling in Mammalian Oocytes. 447-478

606 Epigenetic mechanisms of mental retardation. **2011**, 67, 125-46

7

605 Dynamics of histone lysine methylation: structures of methyl writers and erasers. **2011**, 67, 107-24

38

604 Molecular Therapies. **2011**, 257-275

603 Epigenetic Programming of Stress Responses and Trans-Generational Inheritance Through Natural Variations in Maternal Care. **2011**, 87-112

1

602 Bridging Environment and DNA: Activity-Induced Epigenetic Modification in the Adult Brain. **2011**, 113-123

601 Genetic and epigenetic changes in malignant cells of tumors of urogenital organs. **2010**, 26, 450-460

1

600 Transcriptional Modulation Using Histone Deacetylase Inhibitors for Cancer Immunotherapy. **2011**, 307-322

599 Dietary Components, Epigenetics, and Cancer. **2010**, 77-108

598 The Use of Small Noncoding RNAs to Silence Transcription in Human Cells. **2011**, 39-57

597 Use of polyamine derivatives as selective histone deacetylase inhibitors. **2011**, 720, 475-91

596 Principles and techniques in molecular biology. **2011**, 105-118.e1

595 Manufacturing Recombinant Proteins in kg-ton Quantities Using Animal Cells in Bioreactors. **2011**, 396-401

594 Structural Basis for Recognition of Methylated DNA in Epigenetic Regulation. **2011**, 51, 124-127

593 The Emerging Role of the Sperm Epigenome and its Potential Role in Development. **2011**, 181-194

592 ART and Epigenetic Disorders: Should We Be Concerned?. **2011**, 197-210

591 Dietary Choline for Brain Development. **2011**, 2089-2104

590 Chapter 4. Marked For Life: How Environmental Factors Affect the Epigenome. **2011**, 44-69

1

589 Chapter 5. Symmetrical- and Unsymmetrical Terminally Alkylated Polyamines. **2011**, 104-134

588 The Role of Epigenetic Modifications in Cancer. 113-144

587 Epigenetic Reprogramming Induced Pluripotency. **2011**, 3, 93

586 Epigenetic Mouse Models. **2012**, 375-396

585 Host Factors that affect Provirus Stability and Silencing. 141-150

584 The Role of Epigenetics in Cancer: From Molecular Function to High-Throughput Assays. **2012**, 137-152

583 Preparation of nucleosomes containing a specific H2A-H2A cross-link forming a DNA-constraining loop structure. **2012**, 833, 351-71

1

582 Epigenetic Biomarkers in Melanoma. **2012**, 89-112

581 Epigenetics. **2011**, 3-24

580 Multicellular Systems. **2012**, 521-571

579 Epigenetics and Affective Disorder. **2012**, 01, 27-31

578 Analyse der Genregulation. **2012**, 467-499

577 Migration and the Genes. **2012**, 311-314

576 Probing the Genes Expressed in Developing Seed of Oilseed Plants: Brassica Napus (L.) as A Case Example. **2012**, 171-186

575 Control of Neuronal Gene Transcription and Behavior by the Epigenetic Suppressor Complex G9a/GLP. **2012**, 63-70

574 Methods of Global Epigenomic Profiling. 427-443

573 Analysis of Secreted Proteins from *Undifilum cinereum* by Two Dimensional Gel Electrophoresis and Liquid Chromatography-Mass Spectrometry/Mass Spectrometry. **2012**, 11, 1881-1889

572 Vitamin D Receptor. **2012**, 37-64

571 Human Pancreatic Progenitors: Implications for Clinical Transplantation in Diabetes. **2013**, 237-249

570 Chromatin: Physical Organization. **2013**, 530-534

569 Human Cancer Epigenetics. **2013**, 269-293

568 DNA structure | Chromatin: Physical Organization. **2013**, 29-34

567 Non-CDH1-Associated Familial Gastric Cancer and Epigenetics Factors. **2013**, 111-125

566 Ubiquitin-Dependent Protein Degradation. **2013**,

565 Sperm Epigenetic Profile. **2013**, 377-394

564 Negative Androgen-Response Elements in Androgen Target Genes. **2013**, 29-41

563 Exploiting Epigenetic Modifiers to Circumvent Melanoma Dual Resistance to TCR-Engineered Immunotherapy- and BRAFV600E-Kinase Inhibitor. **2013**, 203-220

562 Encyclopedia of Systems Biology. **2013**, 665-669

561 Epigenome. **2013**, 43-71

1

560 Proteomic Interrogation of Human Chromatin Protein States. **2014**, 149-175

559 Quantitative Proteomics Characterization of Chromatin-Remodeling Complexes in Health and Disease. **2014**, 177-196

558 Epigenetics of Host-Pathogen Interactions: The Road Ahead and the Road Behind. **2013**, 25-46

557 Epigenetics of Host-Pathogen Interactions. **2013**, 1-22

556 Histone H3 Phosphorylation in Plants and Other Organisms. **2014**, 47-70

555 Recent Advances in Approaches to the Study of Gene Locus Control Regions. **2014**, 189-204

554 Encyclopedia of Cancer. **2014**, 2807-2809

553 Epigenetik über Zugriff aufs Genom. **2014**, 127-154

552 Epigenetics of Psychiatric Diseases. **2014**,

551 Encyclopedia of Cancer. **2014**, 1-3

550 Epigenomics of Breast Cancer. **2014**, 105-126

549 Drugs Affecting Epigenetic Modifications of ABC Transporters for Drug Resistance. **2015**, 273-297

548 A Gallery of Organic Codes. **2015**, 35-54

547 Chromatin and Epigenetic Determinants of Resistance to Aromatase Inhibitors. **2015**, 145-168

546 Overcoming the Transcriptional Block: The HIV-1 Tat Auxiliary Protein. **2015**, 1-8

545 CHAPTER 7. Targeting Non-Acetylation Histone Erasers. **2015**, 168-191

544 Epigenetics Advances in the Nervous System. **2015**, 02, 1-9

- 543 Epigenetic regulation of hepatic stellate cells and liver fibrosis. 421-434
- 542 Epigenetics in ADPKD: Understanding Mechanisms and Discovering Treatment. 283-311 1
- 541 Formbildung. **2016**, 367-427
- 540 Interaction of Drugs of Addiction with DNA. **2016**, 129-136
- 539 Mass Spectrometry for the Identification of Posttranslational Modifications in Histones and Its Application in Clinical Epigenetics. **2016**, 195-214 1
- 538 Histone Posttranslational Modifications and Chromatin Remodelers in Prostate Cancer. **2016**, 447-465
- 537 Sirtuins as Regulators of Cardiac Hypertrophy and Heart Failure. **2016**, 263-282
- 536 Epigenetic and Nongenomic Roles for Histone Deacetylases in Heart Failure. **2016**, 209-229
- 535 Crosstalk Between DNA Methylation and Chromatin Structure. **2016**, 257-270
- 534 Epigenetic Diabetic Vascular Complications. **2016**, In Press,
- 533 Large-scale analysis of post-translational modifications in E. coli under glucose-limiting conditions.
- 532 Single-cell quantitation of histones and histone post-translational modifications across the cell cycle by high-throughput imaging.
- 531 Regulation of cancer epigenomes with a histone-binding synthetic transcription factor.
- 530 DNA Methylation Landscape Reflects the Spatial Organization of Chromatin in Different Cells.
- 529 Epigenetics. **2016**, 245-254
- 528 Histone deacetylase inhibitors reduce the number of herpes simplex virus-1 genomes initiating expression in individual cells.
- 527 Histone code and higher-order chromatin folding: A hypothesis.
- 526 Small Molecule Inhibitors. **2017**, 771-795

525 Molecular Pathology of Bone and Soft Tissue Tumors. **2017**, 623-655

524 Unraveling the Role of Long Noncoding RNAs in Pluripotent Stem Cell-Based Neuronal Commitment and Neurogenesis. **2017**, 43-59

523 Mass Spectrometry and Epigenetics. **2017**, 1-18

522 Transcriptional Regulation of Memory Formation. **2017**, 329-343

521 GAGA Factor Expedites Development in Drosophila. 004-011

520 Epigenetics. **2017**, 37-74

519 Genetische und epigenetische Aspekte in Bezug auf körperliche Aktivität und Gesundheit. **2017**, 359-367

518 Perinatal Malnutrition and Epigenetic Regulation of Long-Term Metabolism. **2017**, 1-17

517 Hydroxamic Acids as Potent Antioxidants and Their Methods of Evaluation. **2017**, 97-112

516 Histone gene replacement reveals a post-transcriptional role for H3K36 in maintaining metazoan transcriptome fidelity. 1

515 Chromatin Structure and Domains. 1-8

514 Natural chromatin is heterogeneous and self associates in vitro. 0

513 Genetic Testing. **2017**, 52, 117-128

512 Modeling of Epigenetic Modification-Induced Changes in CRX-dependent Genes cis-Regulatory Elements.

511 Shaping Epigenetic Memory via Genomic Bookmarking: Supplementary Information.

510 Haystack: systematic analysis of the variation of epigenetic states and cell-type specific regulatory elements.

509 HebbPlot: An intelligent tool for learning and visualizing chromatin mark signatures.

508 Epigenetic Aspects of Nuclear Receptor Coregulators: How Nutritional and Environmental Signals Change Gene Expression Patterns. **2018**, 1-31

507 Analog Genetics. **2018**, 223-255

506 HAT-HDAC System in Asthma. **2018**, 243-275

505 Molecular Basis for Hierarchical Histone De- β -Hydroxybutyrylation by Sirt3.

504 Physiologic and Epigenetic Changes with Pulmonary Vascular Injury After Lung Transplantation. **2018**, 161-182

503 Encyclopedia of AIDS. **2018**, 1609-1615

502 Evolution and Genetic Model of Cooperative Breeding. **2018**, 06, 151-156

501 The Developmental Neuroepigenetics of Substance Abuse. **2018**, 7, 1-27

3

500 Identifying small molecule binding sites for epigenetic proteins at domain-domain interfaces.

499 Implementation of CRISPR-Cas13a system in fission yeast and its repurposing for precise RNA editing.

498 MLL1 minimal catalytic complex is a dynamic conformational ensemble susceptible to pharmacological allosteric disruption.

497 Remodeling of epigenome and transcriptome landscapes with aging in mice reveals widespread induction of inflammatory responses.

0

496 Integrative genomic analysis of early neurogenesis reveals a temporal genetic program for differentiation and specification of preplate and Cajal-Retzius neurons.

495 *Drosophila* small ovary encodes a zinc-finger repressor required for ovarian differentiation.

494 Epigenetic regulation mechanisms in stem cell differentiation. **2018**, 5,

23

493 A Note on Stochastic Modeling of Biological Systems: Automatic Generation of an Optimized Gillespie Algorithm.

492 Site-specific K63 ubiquitinomics reveals post-initiation regulation of ribosomes under oxidative stress.

491 Analysing protein post-translational modform regions by linear programming.

490 TH2BS12P histone mark is enriched in the unsynapsed axes of the XY body and predominantly associates with H3K4me3-containing genomic regions in mammalian spermatocytes.

- 489 Local inhibition of PRC2 activity by H3.3K27M drives DNA replication defects through misregulation of the JNK pathway.
- 488 Epigenetics of Brain Aging: Lessons from Chemo Brain and Tumor Brain. **2019**, 185-202
- 487 The regulatory function of dIno80 correlates with its DNA binding activity. ○
- 486 Epigenetic Regulation in Fleshy Fruit: Perspective for Grape Berry Development and Ripening. **2019**, 167-197
- 485 Biomolecular Recognition of Methylated Histones. **2019**, 435-451
- 484 Metabolic Deregulations Affecting Chromatin Architecture: One-Carbon Metabolism and Krebs Cycle Impact Histone Methylation. **2019**, 573-606 1
- 483 Improving drug discovery using image-based multiparametric analysis of epigenetic landscape.
- 482 Systems biology of cold adaptation in the polyextremophilic red alga *Galdieria sulphuraria*.
- 481 Hdac3, Setdb1, and Kap1 mark H3K9me3/H3K14ac bivalent regions in young and aged liver.
- 480 Histone Deacetylase Inhibitors As Potential Therapeutic Agents For Various Disorders. **2017**, 5, 235-253
- 479 PD-1 expression during acute infection is repressed through a LSD1- Blimp-1 axis.
- 478 Inhibition of IRF4 in dendritic cells by PRR-independent and -dependent signals inhibit Th2 and promote Th17 responses.
- 477 Remodeling of the H3 nucleosomal landscape during mouse aging.
- 476 On the relation of phase separation and Hi-C maps to epigenetics.
- 475 Endometrium Gene Expression and Epigenetic Regulation in Reproductive Failure. **2020**, 103-116
- 474 Overview of Epigenetic Signatures and Their Regulation by Epigenetic Modification Enzymes. **2020**, 1-33
- 473 Epigenetic control of differentiation of mesenchymal stem cells. Stem cells differentiation in liver. **2020**, 65, 106-118
- 472 DOT1L Methyltransferase Activity Preserves SOX2-Enhancer Accessibility And Prevents Activation of Repressed Genes In Murine Stem Cells. ○

- 471 The Cambridge Handbook of Infant Development: Brain, Behavior, and Cultural Context. **2020**,
- 470 An unexpected role for Dicer as a reader of the unacetylated DNA binding domain of p53 in transcriptional regulation. **2021**, 7, eabi6684 0
- 469 Cryo-electron microscopy structure of the H3-H4 octasome without histones H2A and H2B.
- 468 Is There a Histone Code for Cellular Quiescence?. **2021**, 9, 739780 3
- 467 Structural Characterization of Human Histone H4.1 by Tandem Nonlinear and Linear Ion Mobility Spectrometry Complemented with Molecular Dynamics Simulations. **2021**, 6, 29567-29576 0
- 466 Epigenetic interaction of microbes with their mammalian hosts. **2021**, 46, 1 1
- 465 The Spt10 GNAT Superfamily Protein Modulates Development, Cell Cycle Progression and Virulence in the Fungal Insect Pathogen,. **2021**, 7, 1
- 464 Genome-wide identification and expression profiling of SET DOMAIN GROUP family in *Dendrobium catenatum*.
- 463 Identification of Sirt3 as an Eraser For Histone Lysine Crotonylation Marks Using a Chemical Proteomics Approach. **2020**, 97-121
- 462 Genome-wide identification and expression profiling of SET DOMAIN GROUP family in *Dendrobium catenatum*.
- 461 Mechanisms of Osteoprotective Actions of Estrogens. **2020**, 503-523 2
- 460 Natural molecules as modulators of epigenetic silencing in human cells for cancer care and aging. **2020**, 65,
- 459 Methodological innovations drive conceptual innovations forward in chromatin biology. **2020**, 184, 1-3
- 458 Identification of histone methylation modifiers and their expression patterns during somatic embryogenesis in *Hevea brasiliensis*. **2020**, 43, e20180141 2
- 457 CHAPTER 9:Pharmacological Regulation and Functional Significance of Chromatin Binding by BET Tandem Bromodomains. **2020**, 209-248
- 456 Molecular Landscape of MDS. **2020**, 73-90
- 455 Visualizing Chromatin Modifications in Isolated Nuclei. **2020**, 2175, 23-31
- 454 Genome mining for identification of gene clusters encoding important fungal metabolites. **2020**, 47-55

- 453 The Sperm Epigenome and Potential Implications for the Developing Embryo. **2020**, 173-185
- 452 A plug and play microfluidic platform for standardized sensitive low-input Chromatin Immunoprecipitation.
- 451 Histone modification dynamics as revealed by a multicolor immunofluorescence-based single-cell analysis.
- 450 Regulation of the Inflammatory Process in Osteoarthritis. **2020**, 658-675
- 449 Epigenetic Modifications of Early-Life Stress and Adult Life Psychopathology. **2020**, 33-48 1
- 448 Emerging Trends of Biotechnology in Marine Bioprospecting: A New Vision. **2020**, 1-36
- 447 Chapter 12:Deubiquitinase Inhibitors: An Emerging Therapeutic Class. **2020**, 234-253
- 446 Epigenetics of the Aging Musculoskeletal System. **2020**, 17-28
- 445 Gene expression signatures identify pediatric patients with multiple organ dysfunction who require advanced life support in the intensive care unit. 0
- 444 Recursive Convolutional Neural Networks for Epigenomics.
- 443 Impact of Early Life Stress on Reward Circuit Function and Regulation. **2021**, 12, 744690 3
- 442 Epigenetics: key to improve delayed wound healing in type 2 diabetes. **2021**, 1 1
- 441 Histone H3.3 K27M and K36M mutations de-repress transposable elements through perturbation of antagonistic chromatin marks. **2021**, 81, 4876-4890.e7 5
- 440 Biology and physics of heterochromatin-like domains/complexes.
- 439 Prediction of Epigenetic Target Sites by Using Genomic DNA Sequence. 498-512
- 438 Gene Selectors Consisting of DNA-Binding Proteins, Histories, and Histone-Binding Proteins Regulate the Three Major Stages of Gene Expression. **2007**, 145-175
- 437 Genetics of Hypersensitivity. **2009**, 227-238
- 436 Molecular Approaches to Influence Epigenetic Effectors of Transient and Stable Transgene Expression in Mammalian Cells. **2005**, 15-22

435 Hamlet; A Novel Tool to Identify Apoptotic Pathways in Tumor Cells. **2005**, 223-245

434 Histone Deacetylase Inhibitors: Novel Targeted Anti-Cancer Agents. **2005**, 269-305

433 Transcription: The Never Ending Story. **2006**, 3-18

432 Post-translational Modifications of the p53 Transcription Factor. **2006**, 257-272

431 Heterochromatin and X Inactivation. **2006**, 365-375

430 The Dynamic Association of RNA Polymerase II with Initiation, Elongation, and RNA Processing Factors during the Transcription Cycle. **2006**, 49-66

429 Chromatin and the Control of Hox Gene Expression. **2007**, 91-101

428 The Relevance of Epigenetics to Major Psychosis. **2009**, 411-434

427 Modulation of TRAIL Signaling for Cancer Therapy. **2007**, 579-591

426 Do Histone Deacetylase Inhibitors Target Cell Cycle Checkpoints that Monitor Heterochromatin Structure?. **2008**, 291-309

425 The Role of OMICS (Genomics, Epigenetics, Transcriptomics, Proteomics and Metabolomics) in Personalized Anesthesia and Perioperative Medicine. **2021**, 9-63

424 Opposing functions of the Hda1 complex and histone H2B mono-ubiquitylation in regulating cryptic transcription initiation in *Saccharomyces cerevisiae*.

423 Heterochromatin Replication: Direct Interaction of DNA replication machinery with heterochromatin code writer Clr4/Suv39 and reader Swi6/HP1 in *S. pombe*.

422 SETD2 regulates the methylation of translation elongation factor eEF1A1 in clear cell renal cell carcinoma. ○

421 Separation and Characterization of Endogenous Nucleosomes by Native Capillary Zone Electrophoresis Top-Down Mass Spectrometry (nCZE-TDMS).

420 Stress and cancer. **2020**, 74, 166-180

419 HOW EXPERIENCE INTERACTS WITH BIOLOGICAL DEVELOPMENT. 51-52

1

418 Gene-environment interactions and epigenetic basis of human diseases. **2008**, 10, 25-36

142

417	Epigenetics and epigenetic alterations in pancreatic cancer. 2009 , 2, 310-26	51
416	miR-145-mediated suppression of cell growth, invasion and metastasis. 2010 , 2, 170-80	109
415	Retinoid-induced histone deacetylation inhibits telomerase activity in estrogen receptor-negative breast cancer cells. 2009 , 29, 4959-64	16
414	The role of human bromodomains in chromatin biology and gene transcription. 2009 , 12, 659-65	142
413	Maintenance of a functional higher order chromatin structure: The role of the nuclear matrix in normal and disease states. 2009 , 13, 231-243	18
412	Aging and stress: past hypotheses, present approaches and perspectives. 2011 , 2, 80-99	18
411	Genetic and epigenetic changes in human prostate cancer. 2011 , 13, 80-98	8
410	EZH2: a pivotal regulator in controlling cell differentiation. 2012 , 4, 364-75	38
409	Epigenetic regulation of the TRAIL/Apo2L apoptotic pathway by histone deacetylase inhibitors: an attractive approach to bypass melanoma immunotherapy resistance. 2013 , 2, 55-74	17
408	Targeting deacetylases to improve outcomes after allogeneic bone marrow transplantation. 2013 , 124, 152-62	2
407	Protein arginine deiminase 4 (PAD4): Current understanding and future therapeutic potential. 2009 , 12, 616-27	109
406	Stress, epigenetics, and alcoholism. 2012 , 34, 495-505	19
405	Epigenetics-beyond the genome in alcoholism. 2012 , 34, 293-305	45
404	Epigenetic targets for reversing immune defects caused by alcohol exposure. 2013 , 35, 97-113	21
403	SET domain-containing Protein 4 (SETD4) is a Newly Identified Cytosolic and Nuclear Lysine Methyltransferase involved in Breast Cancer Cell Proliferation. 2013 , 5, 58-65	17
402	X-chromosome silencing in the germline of <i>C. elegans</i> . 2002 , 129, 479-92	173
401	Embedding the Future of Regenerative Medicine into the Open Epigenomic Landscape of Pluripotent Human Embryonic Stem Cells. 2013 , 3, 323-349	3
400	Regulation of CRADD-caspase 2 cascade by histone deacetylase 1 in gastric cancer. 2014 , 6, 538-47	5

399	Chromatin Memory in the Development of Human Cancers. 2014 , 3, 114	
398	KDM6B induces epithelial-mesenchymal transition and enhances clear cell renal cell carcinoma metastasis through the activation of SLUG. 2015 , 8, 6334-44	20
397	GATA2 regulates GATA1 expression through LSD1-mediated histone modification. 2016 , 8, 2265-74	9
396	Genetic and epigenetic influences associated with intrauterine growth restriction due to in utero tobacco exposure. 2010 , 8, 94-102	27
395	Friend or Foe: Epigenetic Regulation of Retrotransposons in Mammalian Oogenesis and Early Development. 2016 , 89, 487-497	14
394	Pancreatic Cancer, A Mis-interpreter of the Epigenetic Language. 2016 , 89, 575-590	9
393	In silico modeling of epigenetic-induced changes in photoreceptor cis-regulatory elements. 2018 , 24, 218-230	2
392	MLL5 activates AR/NDRG1 signaling to suppress prostate cancer progression. 2020 , 10, 1608-1629	4
391	Epigenetic mechanisms and the hallmarks of cancer: an intimate affair. 2020 , 10, 1954-1978	16
390	The combination of G9a histone methyltransferase inhibitors with erythropoietin protects heart against damage from acute myocardial infarction. 2020 , 12, 3255-3271	2
389	Molecular and epigenetic markers as promising tools to quantify the effect of occupational exposures and the risk of developing non-communicable diseases. 2019 , 110, 168-190	2
388	An updated account on molecular heterogeneity of acute leukemia. 2021 , 11, 22-43	1
387	Early environments, developmental plasticity, and chronic degenerative disease. 2022 , 449-468	0
386	Epigenetic biomarkers in male infertility and its potential use in assisted reproductive technology. 2022 , 543-572	
385	Sperm epigenetics: The future of precision medicine in male infertility. 2022 , 369-380	
384	Inhibition of histone deacetylase 5 ameliorates abnormalities in 16p11.2 duplication mouse model. 2021 , 204, 108893	0
383	Epigenetic Repression of Chloride Channel Accessory 2 Transcription in Cardiac Fibroblast: Implication in Cardiac Fibrosis. 2021 , 9, 771466	1
382	Emerging role of G9a in cancer stemness and promises as a therapeutic target. 2021 , 10, 76	1

381	Cancer metabolism and tumor microenvironment: fostering each other?. 2021 , 1	3
380	Reprogramming of H3K9bhb at regulatory elements is a key feature of fasting in the small intestine. 2021 , 37, 110044	1
379	SARS-CoV-2 ORF8 encoded protein contains a histone mimic, disrupts chromatin regulation, and enhances replication.	0
378	Epigenetic modifications in acute myeloid leukemia: The emerging role of circular RNAs (Review). 2021 , 59,	2
377	Regulation of MDM2 E3 ligase-dependent vascular calcification by MSX1/2. 2021 , 53, 1781-1791	0
376	Protein lysine acetylation and its role in different human pathologies: a proteomic approach. 2021 , 1-27	1
375	Altered H3 histone acetylation impairs high-fidelity DNA repair to promote cerebellar degeneration in spinocerebellar ataxia type 7. 2021 , 37, 110062	0
374	Epigenetic Modifications and Therapy in Uveitis. 2021 , 9, 758240	0
373	Infectious Keratitis: An Update on Role of Epigenetics.. 2021 , 12, 765890	1
372	Multivalent peptide ligands to probe the chromocenter microenvironment in living cells.	0
371	Interpretation as a Form of Thermodynamic Work. 1	0
370	Comparative proteogenomics deciphers the origin and evolution of eukaryotic chromatin.	0
369	Regulation of epigenetic homeostasis in uveal melanoma and retinoblastoma. 2021 , 101030	3
368	From Genetics to Epigenetics: New Insights into Male Reproduction. 2021 , 47-61	0
367	Differential gene expression prediction by ensemble deep networks on Histone Modification data.. 2021 , PP,	0
366	Epigenomic signatures on paralogous genes reveal underappreciated universality of active histone codes adopted across animals.. 2022 , 20, 353-367	0
365	A Pan-Cancer Study of KMT2 Family as Therapeutic Targets in Cancer.. 2022 , 2022, 3982226	1
364	Multi-omic profiling of histone variant H3.3 lysine 27 methylation reveals a distinct role from canonical H3 in stem cell differentiation.. 2022 ,	0

363	Effects of Oncohistone Mutations and PTM Crosstalk on the N-Terminal Acetylation Activities of NatD.. 2022 ,	1
362	A dynamic and combinatorial histone code drives malaria parasite asexual and sexual development.. 2022 , 100199	1
361	Spiroarborin, an -Clerodane Homodimer from as an Inhibitor of the Eleven-Nineteen Leukemia (ENL) Protein by Targeting the YEATS Domain.. 2022 ,	1
360	The complex Tup1-Cyc8 bridges transcription factor ClrB and putative histone methyltransferase LaeA to activate the expression of cellulolytic genes.. 2022 ,	1
359	Modulation of cellular processes by histone and non-histone protein acetylation.. 2022 ,	15
358	Epigenetic Mechanisms of Senescence in Plants.. 2022 , 11,	0
357	Epigenetic mechanisms of inner ear development.. 2022 , 108440	0
356	Identification of a transcriptional signature found in multiple models of ASD and related disorders.	
355	How to Slow down the Ticking Clock: Age-Associated Epigenetic Alterations and Related Interventions to Extend Life Span.. 2022 , 11,	7
354	The histone code of the fungal genus <i>Aspergillus</i> uncovered by evolutionary and proteomic analyses.	0
353	Selected molecular mechanisms of metal toxicity and carcinogenicity. 2022 , 253-278	
352	Chrysin Modulates Aberrant Epigenetic Variations and Hampers Migratory Behavior of Human Cervical (HeLa) Cells.. 2021 , 12, 768130	2
351	Histone Deacetylases in Rice Development and Stress Responses. 1	0
350	An Update in Epigenetics in Metabolic-Associated Fatty Liver Disease.. 2021 , 8, 770504	1
349	Glucose starvation induces a switch in the histone acetylome for activation of gluconeogenic and fat metabolism genes.. 2022 , 82, 60-74.e5	8
348	Therapies Targeting Epigenetic Alterations in Acute Kidney Injury-to-Chronic Kidney Disease Transition.. 2022 , 15,	1
347	The dCypher Approach to Interrogate Chromatin Reader Activity Against Posttranslational Modification-Defined Histone Peptides and Nucleosomes.. 2022 , 2458, 231-255	2
346	Cancer epigenetics: DNA methylation and histone modifications. 2022 , 133-148	

- 345 Genomic occupancy of the bromodomain protein Bdf3 is dynamic during differentiation of African trypanosomes from bloodstream to procyclic forms.
- 344 microRNA-Based Network and Pathway Analysis for Neuropathic Pain in Rodent Models.. **2021**, 8, 780730
- 343 Oncohistones: Hijacking the Histone Code. **2022**, 6, 0
- 342 Treatment of Toxoplasmosis: An Insight on Epigenetic Drugs. **2022**, 1, 0
- 341 The Dynamics and Plasticity of Epigenetics in Diabetic Kidney Disease: Therapeutic Applications Vis-à-Vis.. **2022**, 23, 1
- 340 The Current State of Chromatin Immunoprecipitation (ChIP) from FFPE Tissues.. **2022**, 23, 0
- 339 Sodium valproate is effective against Botrytis cinerea infection of tomato by enhancing histone H3 acetylation-directed gene transcription and triggering tomato fruits immune response.. **2022**, 0
- 338 A Genetically Encoded Approach for Breaking Chromatin Symmetry.. **2022**, 8, 176-183 0
- 337 Ubiquitin-proteasome pathway plays an essential regulatory role during spermatangium formation in *Neopyropia yezoensis*. **2022**, 62, 102623 0
- 336 Molecular and cellular functions of long non-coding RNAs in prostate and breast cancer.. **2022**, 106, 91-179 0
- 335 Gene Regulatory Circuits in Innate and Adaptive Immune Cells.. **2022**, 0
- 334 Genome-Wide Identification and Characterization of SET Domain Family Genes in *L.* **2022**, 23, 1
- 333 Contributions of epigenetic inheritance to the predisposition of major psychiatric disorders: theoretical framework, evidence, and implications.. **2022**, 135, 104579 1
- 332 Epigenetic regulation of vascular smooth muscle cell function in atherosclerosis. **2013**, 15, 319 2
- 331 Investigating the genetic and epigenetic basis of big biological questions with the parthenogenetic marbled crayfish: A review and perspectives. **2018**, 43, 189-223 5
- 330 Epigenetic interaction of microbes with their mammalian hosts. **2021**, 46, 0
- 329 Cataloging Posttranslational Modifications in Plant Histones.. **2021**, 1346, 131-154
- 328 Epigenetics: Perspectives and Potential in Aquaculture. **2021**, 133-150 0

327	Proposed effect of epigenetic alterations on stress-related disorders. 2022 , 119-135	
326	Epigenomic Studies of Substance Use. 2022 , 205-219	
325	The Novel Protease Activities of JMJD5-JMJD6-JMJD7 and Arginine Methylation Activities of Arginine Methyltransferases Are Likely Coupled.. 2022 , 12,	0
324	HP1 maintains protein stability of H3K9 methyltransferases and demethylases.. 2022 , e53581	3
323	Epigenetic Regulation: A Link between Inflammation and Carcinogenesis.. 2022 , 14,	1
322	Identification of Tissue-Specific Gene Clusters Induced by DNA Demethylation in Lung Adenocarcinoma: More Than Germline Genes.. 2022 , 14,	0
321	An acetylation-mediated chromatin switch governs H3K4 methylation read-write capability.	1
320	High fidelity epigenetic inheritance: Information theoretic model predicts threshold filling of histone modifications post replication.. 2022 , 18, e1009861	0
319	Pharmacological Perturbation of Mechanical Contractility Enables Robust Transdifferentiation of Human Fibroblasts into Neurons.. 2022 , e2104682	1
318	Painters in chromatin: a unified quantitative framework to systematically characterize epigenome regulation and memory.	0
317	Development of Dual Inhibitors Targeting Epidermal Growth Factor Receptor in Cancer Therapy.. 2022 ,	1
316	NMR Molecular Replacement Provides New Insights into Binding Modes to Bromodomains of BRD4 and TRIM24.. 2022 ,	
315	Characterizing cellular heterogeneity in chromatin state with scCUT&Tag-pro.. 2022 ,	1
314	An added layer of repression for human genes.. 2022 ,	0
313	Unveiling RCOR1 as a rheostat at transcriptionally permissive chromatin.. 2022 , 13, 1550	0
312	The chromatin organization of a chlorarachniophyte nucleomorph genome.. 2022 , 23, 65	1
311	NOGOB receptor deficiency increases cerebrovascular permeability and hemorrhage via impairing histone acetylation mediated CCM1/2 expression.. 2022 ,	0
310	Proteomic Analysis of Serum Lysine Acetylation in Uyghur Patients With T2DM.. 2022 , 9, 787885	

309	Chemical Labeling and Enrichment of Histone Glyoxal Adducts.. 2022 ,	2
308	Chemical Biology Approaches to Identify and Profile Interactors of Chromatin Modifications.. 2022 ,	0
307	The Non-Specific Lethal (NSL) Histone Acetyltransferase Complex Transcriptionally Regulates Yin Yang 1-Mediated Cell Proliferation in Human Cells.. 2022 , 23,	
306	The DNMT1-PAS1-PH20 axis drives breast cancer growth and metastasis.. 2022 , 7, 81	3
305	Histone acetyltransferase GCN5-mediated lysine acetylation modulates salt stress adaptation of Trichoderma.. 2022 , 1	0
304	Multistate structures of the MLL1-WRAD complex bound to H2B-ubiquitinated nucleosome.	
303	Epigenomic alterations in cancer: mechanisms and therapeutic potential.. 2022 , 136, 473-492	0
302	One genome, many cell states: epigenetic control of innate immunity.. 2022 , 75, 102173	0
301	Transcriptome Profiling in the Marine Red Alga Neopyropia yezoensis Under Light/Dark Cycle.. 2022 , 24, 393	0
300	Recent Advances in Investigating Functional Dynamics of Chromatin.. 2022 , 13, 870640	0
299	Epigenetic Regulation of Nucleotide Excision Repair.. 2022 , 10, 847051	1
298	Acetylation of H3K56 orchestrates UV-responsive chromatin events that generate DNA accessibility during Nucleotide Excision Repair.. 2022 , 113, 103317	
297	Epigenetic modulation of antitumor immunity for improved cancer immunotherapy.. 2021 , 20, 171	6
296	Genome Organization and Dynamics Specialty Grand Challenge.. 2021 , 8, 818707	
295	The Ability of Nutrition to Mitigate Epigenetic Drift: A Novel Look at Regulating Gene Expression.. 2021 , 67, 359-365	0
294	Structure, Activity, and Function of SETMAR Protein Lysine Methyltransferase.. 2021 , 11,	1
293	Epigenetic regulation of T cell development.. 2021 , 1-9	1
292	Learning the histone codes of gene regulation with large genomic windows and three-dimensional chromatin interactions using transformer.	0

291	Dynamics and Pathways of Chromosome Structural Organizations during Cell Transdifferentiation.. 2022 , 2, 116-127	1
290	Epigenetics and Vascular Disease. 2022 , 475-510	
289	The Histone Deacetylase Inhibitor I13 Induces Differentiation of M2, M3 and M5 Subtypes of Acute Myeloid Leukemia Cells and Leukemic Stem-Like Cells.. 2022 , 12, 855570	0
288	Evolutionary History and Functional Diversification of the Domain-Containing Histone Demethylase Gene Family in Plants.. 2022 , 11,	0
287	Mitotic drive in asymmetric epigenetic inheritance.. 2022 ,	1
286	Epigenomic code. 113-133	
285	The Control Layer. 2005 , 21-43	
284	DataSheet1.docx. 2018 ,	
283	Table1.xlsx. 2018 ,	
282	Table2.xlsx. 2018 ,	
281	Table3.xlsx. 2018 ,	
280	Table4.docx. 2018 ,	
279	Table5.xlsx. 2018 ,	
278	Table_1.DOCX. 2020 ,	
277	Table_1.docx. 2019 ,	
276	Data_Sheet_1.PDF. 2019 ,	
275	Data_Sheet_1.xlsx. 2020 ,	
274	Presentation_1.pdf. 2020 ,	

273 Table_1.XLSX. 2020,

272 Table_2.XLSX. 2020,

271 Table_1.DOCX. 2020,

270 Image_1.TIFF. 2019,

269 Table_1.XLSX. 2019,

268 Table_1.DOCX. 2019,

267 Image_1.TIFF. 2018,

266 Image_2.TIFF. 2018,

265 Table_1.DOCX. 2018,

264 Table_1.XLSX. 2019,

263 Image_1.TIF. 2018,

262 Image_2.TIF. 2018,

261 Data_Sheet_1.pdf. 2019,

260 Data_Sheet_2.ZIP. 2019,

259 Data_Sheet_3.ZIP. 2019,

258 Table_1.XLSX. 2019,

257 Table_2.XLSX. 2019,

256 Table_3.XLSX. 2019,

255 Image_1.TIFF. 2020,

254 Image_2.TIFF. 2020,

253 Image_3.TIFF. 2020,

252 Image_4.TIFF. 2020,

251 Image_5.TIFF. 2020,

250 Image_6.TIFF. 2020,

249 Table_1.XLSX. 2020,

248 Table_2.XLSX. 2020,

247 DataSheet_1.pdf. 2019,

246 Table_1.xlsx. 2019,

245 Multivalent Peptide Ligands To Probe the Chromocenter Microenvironment in Living Cells.. 2022,

0

244 Plant histone modifications in response to cold stress. 2022, 46, 1-6

243 Genome-wide Characterization of the JmjC Domain-Containing Histone Demethylase Gene Family Reveals GhJMJ24 and GhJMJ49 Involving in Somatic Embryogenesis Process in Cotton.. 2022, 9, 888983

242 Chromatin and viral integration in immunity: The challenge of silencing non-self genes.. 2022,

1

241 Recent Advances in Epigenetics of Age-Related Kidney Diseases. 2022, 13, 796

1

240 Pathogenesis of neural tube defects: The regulation and disruption of cellular processes underlying neural tube closure.. 2022, e1559

0

239 CD4 Cytotoxic T cells - Phenotype, Function and Transcriptional Networks Controlling Their Differentiation Pathways.. 2022,

2

238 Dissection of Structural Reorganization of Wheat 5B Chromosome Associated With Interspecies Recombination Suppression. 2022, 13,

- 237 Lysine Acetylation/Deacetylation Modification of Immune-Related Molecules in Cancer Immunotherapy.. **2022**, 13, 865975 1
- 236 Functions of HP1 proteins in transcriptional regulation.. **2022**, 15, 14 0
- 235 Insights into applications and strategies for discovery of microbial bioactive metabolites. **2022**, 127053 1
- 234 Transcriptional Control Leading to Clinical Outcomes in Breast Cancer Cases. **2022**, 281-336
- 233 Bibliographie. **2015**, 197-210
- 232 Comprehensive Analysis of Epigenetic Associated Genes with Differential Gene Expression and Prognosis in Gastric Cancer.. **2022**,
- 231 Structural and functional specificity of H3K36 methylation.. **2022**, 15, 17 1
- 230 Cocaine regulation of Nr4a1 chromatin bivalency and mRNA in male and female mice.
- 229 Spurious intragenic transcription is a hallmark of mammalian cellular senescence and tissue aging.
- 228 Histone Methyltransferase SUV220 Promotes the DSB Repair via Chromatin Remodeling and Liquid-Liquid Phase Separation. **2022**, 0
- 227 kdm4aa is required for reproduction and development of zebrafish. **2022**,
- 226 Unravelling the Role of Epigenetic Modifications in Development and Reproduction of Angiosperms: A Critical Appraisal. **2022**, 13, 0
- 225 The Metaphorical Role of the Histone Code. **2022**, 253-267
- 224 EZH2 enhances proliferation and migration of trophoblast cell lines by blocking GADD45A-mediated p38/MAPK signaling pathway. **2022**, 13, 12583-12597 1
- 223 Dynamic spreading of chromatin-mediated gene silencing and reactivation between neighboring genes in single cells. 11, 0
- 222 Graph-Based Integration of Histone Modification Profiles. **2022**, 10, 1842
- 221 Functional Characterization of the Lysine-Specific Histone Demethylases Family in Soybean. **2022**, 11, 1398 0
- 220 Toward Elucidating Epigenetic and Metabolic Regulation of Stem Cell Lineage Plasticity in Skin Aging. **2022**, 10,

219	Genomic Occupancy of the Bromodomain Protein Bdf3 Is Dynamic during Differentiation of African Trypanosomes from Bloodstream to Procyclic Forms.	0
218	Position Effect Variegation: Role of the Local Chromatin Context in Gene Expression Regulation. 2022 , 56, 307-338	
217	Trapped Ion Mobility Spectrometry, Ultraviolet Photodissociation, and Time-of-Flight Mass Spectrometry for Gas-Phase Peptide Isobars/Isomers/Conformers Discrimination.	1
216	Epigenetic Mechanisms: DNA Methylation and Histone Protein Modification. 2021 , 1-40	
215	Elucidation of binding preferences of YEATS domains to site-specific acetylated nucleosome core particles. 2022 , 102164	0
214	The virtues and vices of protein citrullination. 2022 , 9,	2
213	The TRIPLE PHD FINGERS proteins are required for SWI/SNF complex-mediated +1 nucleosome positioning and 5' transcript length determination in Arabidopsis.	
212	A phylogenetic and proteomic reconstruction of eukaryotic chromatin evolution.	1
211	The Subunit Nto1 of the NuA3 Complex Is Associated with Conidiation, Oxidative Stress Response, and Pathogenicity in Fusarium oxysporum. 2022 , 8, 540	
210	Native Mass Spectrometry at the Convergence of Structural Biology and Compositional Proteomics.	1
209	Dissecting cell fate dynamics in pediatric glioblastoma through the lens of complex systems and cellular cybernetics.	
208	SMYD5 catalyzes histone H3 lysine 36 trimethylation at promoters. 2022 , 13,	1
207	Comprehensive molecular evaluation of the histone methyltransferase gene family and their important roles in two-line hybrid wheat. 2022 , 22,	
206	The histone deacetylase inhibitor suberic bishydroxamate regulates the expression of multiple apoptotic mediators and induces mitochondria-dependent apoptosis of melanoma cells. 2004 , 3, 425-435	48
205	Mechanisms of Short-Chain Fatty Acids Derived from Gut Microbiota in Alzheimer's Disease. 2022 , 13, 1252	1
204	Distinct Histone Post-translational Modifications during Plasmodium falciparum Gametocyte Development.	0
203	Structure and Flexibility of the Yeast NuA4 Histone Acetyltransferase Complex.	
202	Epidrugs: Toward Understanding and Treating Diverse Diseases. 2022 , 6, 18	1

- 201 HP1 oligomerization compensates for low-affinity H3K9me recognition and provides a tunable mechanism for heterochromatin-specific localization. **2022**, 8, 0
- 200 Studying Epigenetics of Cardiovascular Diseases on Chip Guide. **2022**, 12, 218-234
- 199 PROTAMINES: LESSONS LEARNED FROM MOUSE MODELS. **2022**, 0
- 198 Dynamic Heterochromatin States in Anisotropic Nuclei of Cells on Aligned Nanofibers. 0
- 197 SMYD3 impedes small cell lung cancer sensitivity to alkylation damage through RNF113A methylation-phosphorylation crosstalk.
- 196 The Central Circadian Clock Protein TaCCA1 Regulates Seedling Growth and Spike Development in Wheat (*Triticum aestivum* L.). 13, 1
- 195 The chromatin landscape of the euryarchaeon *Haloferax volcanii*.
- 194 Antisense long non-coding RNAs in gastric cancer. **2022**, 534, 128-137 1
- 193 Asymmetric Histone Inheritance: Establishment, Recognition, and Execution. **2022**, 56,
- 192 Deciphering the Interactome of Histone Marks in Living Cells via Genetic Code Expansion Combined with Proximity Labeling. **2022**, 94, 10705-10714 1
- 191 Research Progress in the Molecular Mechanisms, Therapeutic Targets, and Drug Development of Idiopathic Pulmonary Fibrosis. 13, 1
- 190 H3K9 tri-methylation at *Nanog* times differentiation commitment and enables the acquisition of primitive endoderm fate. 0
- 189 Histone Mono-Ubiquitination in Transcriptional Regulation and Its Mark on Life: Emerging Roles in Tissue Development and Disease. **2022**, 11, 2404 1
- 188 Epigenetics and its role in effecting agronomical traits. 13, 0
- 187 KMT5B is required for early motor development. 13, 1
- 186 Painters in chromatin: a unified quantitative framework to systematically characterize epigenome regulation and memory. 0
- 185 Structural insights into acetylated histone ligand recognition by the BDP1 bromodomain of *Plasmodium falciparum*.
- 184 Potential antifungal targets based on histones post-translational modifications against invasive aspergillosis. 13, 1

- 183 The phospho-landscape of the survival of motoneuron protein (SMN) protein: relevance for spinal muscular atrophy (SMA). **2022**, 79, 0
- 182 Readout of histone methylation by Trim24 locally restricts chromatin opening by p53.
- 181 All Quiet on the TE Front? The Role of Chromatin in Transposable Element Silencing. **2022**, 11, 2501
- 180 Elevated levels of the methyltransferase SETD2 causes transcription and alternative splicing changes resulting in oncogenic phenotypes. 10, 0
- 179 Methylation hallmarks on the histone tail as a linker of osmotic stress and gene transcription. 13, 0
- 178 Influence of epigenetics on periodontitis and peri-implantitis pathogenesis. 1
- 177 Development of Artificial System to Induce Chromatin Loosening in *Saccharomyces cerevisiae*. **2022**, 12, 1138 1
- 176 Epigenetics Beyond Fetal Growth Restriction: A Comprehensive Overview. 2
- 175 The Elongator Subunit Elp3 Regulates Development, Stress Tolerance, Cell Cycle, and Virulence in the Entomopathogenic Fungus *Beauveria bassiana*. **2022**, 8, 834 0
- 174 Metalloproteinases 2 and 9 genes epigenetically modulate equine endometrial fibrosis. 9, 1
- 173 Anesthetics and Long Term Cancer Outcomes: May Epigenetics Be the Key for Pancreatic Cancer?. **2022**, 58, 1102 1
- 172 Chromatin-Associated Molecular Patterns (CAMPs) in sepsis. **2022**, 13, 1
- 171 Macrophages in gouty inflammation. **2022**, 25, 7-22
- 170 Set2 family regulates mycotoxin metabolism and virulence via H3K36 methylation in pathogenic fungus *Aspergillus flavus*. **2022**, 13, 1358-1378 0
- 169 Illuminating the Arabidopsis circadian epigenome: Dynamics of histone acetylation and deacetylation. **2022**, 69, 102268
- 168 Epigenetic perspectives of COVID-19: Virus infection to disease progression and therapeutic control. **2022**, 1868, 166527 0
- 167 The role of histone H3K36me3 writers, readers and erasers in maintaining genome stability. **2022**, 119, 103407 0
- 166 Mechanisms of Histone Modifications. **2023**, 27-54 0

- 165 Insight into the molecular mechanism of action of anticancer drugs. **2023**, 477-502 ○
- 164 Epigenetics of Brain Disorders. **2023**, 737-759 ○
- 163 Epigenetics of Drug Addiction. **2023**, 625-637 ○
- 162 Transgenerational Epigenetics. **2023**, 465-478 ○
- 161 DNA damage, sirtuins, and epigenetic marks. **2022**, 87-108 ○
- 160 Role of histone deacetylase CshDA8 in regulating the accumulation of indole during the oolong tea manufacturing process. **2022**, 2, 1-9 ○
- 159 DNA Methylation as an Epigenetic Mechanism of Anticipation. **2022**, 7-26 ○
- 158 Nonadditive gene expression and epigenetic changes in polyploid plants and crops. **2022**, ○
- 157 Recent Advance of Histone Modification in Gastric Cancer : A Review. 562-569 ○
- 156 A comprehensive mouse brain acetylome-the cellular-specific distribution of acetylated brain proteins. 16, ○
- 155 Maternal temperature stress modulates acclimation and thermal biology in *Octopus maya* (Cephalopoda: Octopodidae) juvenile progeny. ○
- 154 Mutation of histone H3 serine 28 to alanine influences H3K27me3-mediated gene silencing in *Arabidopsis thaliana*. ○
- 153 Balanced Force Field ff03CMAP Improving the Dynamics Conformation Sampling of Phosphorylation Site. **2022**, 23, 11285 1
- 152 Identification of regulatory elements in primary sensory neurons involved in neuropathic pain. ○
- 151 A Unique Glimpse into the Crosstalk Between Different Epigenetic Mechanisms in Porcine Embryonic Development. ○
- 150 Cocaine regulation of Nr4a1 chromatin bivalency and mRNA in male and female mice. **2022**, 12, ○
- 149 Posttranslational regulation of the GCN5 and PCAF acetyltransferases. **2022**, 18, e1010352 ○
- 148 Histone acetylation dynamics in repair of DNA double-strand breaks. 13, 2

- 147 Roles of the distinct N-terminal amino acid between H3 and H3.3 in *Drosophila* male germline stem cell lineage. ○
- 146 Dynamical modeling of the H3K27 epigenetic landscape in mouse embryonic stem cells. **2022**, 18, e1010450 ○
- 145 The histone code of the fungal genus *Aspergillus* uncovered by evolutionary and proteomic analyses. **2022**, 8, ○
- 144 Epigenetics and environment in breast cancer: New paradigms for anti-cancer therapies. 12, ○
- 143 Development of Chromatin Immunoprecipitation for the Analysis of Histone Modifications in Red Macroalga *Neopyropia yezoensis* (Rhodophyta). ○
- 142 Design principles of 3D epigenetic memory systems. ○
- 141 Identification of a transcriptional signature found in multiple models of ASD and related disorders. **2022**, 32, 1642-1654 ○
- 140 Multistate structures of the MLL1-WRAD complex bound to H2B-ubiquitinated nucleosome. **2022**, 119, ○
- 139 An Axis between the Long Non-Coding RNA HOXA11-AS and NQOs Enhances Metastatic Ability in Oral Squamous Cell Carcinoma. **2022**, 23, 10704 1
- 138 Histone modification and histone modification-targeted anti-cancer drugs in breast cancer: Fundamentals and beyond. 13, 1
- 137 Enhanced Spatial Mapping of Histone Proteoforms in Human Kidney Through MALDI-MSI by High-Field UHMR-Orbitrap Detection. **2022**, 94, 12604-12613 1
- 136 Histone lysine methylation patterns in prostate cancer microenvironment infiltration: Integrated bioinformatic analysis and histological validation. 12, ○
- 135 H3K18 lactylation marks tissue-specific active enhancers. **2022**, 23, 1
- 134 Capillary Zone Electrophoresis-Mass Spectrometry for Top-Down Proteomics: Technological Development and Biological Applications. **2022**, 261-280 ○
- 133 Biochemical Characterization of the TINTIN Module of the NuA4 Complex Reveals Allosteric Regulation of Nucleosome Interaction. ○
- 132 The TRIPLE PHD FINGERS proteins are required for SWI/SNF complex-mediated +1 nucleosome positioning and transcription start site determination in *Arabidopsis*. ○
- 131 A membrane integral methyltransferase catalysing N-terminal histidine methylation of lytic polysaccharide monoxygenases. ○
- 130 SARS-CoV-2 disrupts host epigenetic regulation via histone mimicry. 4

- 129 Insights into the sperm chromatin and implications for male infertility from a protein perspective. ○
- 128 IgA vasculitis update: Epidemiology, pathogenesis, and biomarkers. 13, ○
- 127 Mapping the modification of histones by the myeloperoxidase-derived oxidant hypochlorous acid (HOCl). **2022**, 192, 152-164 ○
- 126 Identification of epigenetic histone modifications and analysis of histone lysine methyltransferases in *Alexandrium pacificum*. **2022**, 119, 102323 ○
- 125 Epigenetic Mechanisms: DNA Methylation and Histone Protein Modification. **2022**, 2677-2716 ○
- 124 Epigenetic Regulation Towards Acquired Drug Resistance in Cancer. **2022**, 473-502 ○
- 123 Prenatal origins of productivity and quality of beef. **2022**, 51, ○
- 122 Mechanistic Studies and a Retrospective Cohort Study: The Interaction between PPAR Agonists and Immunomodulatory Agents in Multiple Myeloma. **2022**, 14, 5272 1
- 121 Targeting Chromatin-Remodeling Factors in Cancer Cells: Promising Molecules in Cancer Therapy. **2022**, 23, 12815 ○
- 120 Top-Down Mass Spectrometry of Histone H4 Proteoforms: Tandem Ultraviolet-Photon and Mobility/Mass-Selected Electron Capture Dissociations. 1
- 119 A molecular switch between mammalian MLL complexes dictates response to Menin-MLL inhibition. 1
- 118 Histone Deacetylase 3 Inhibition Decreases Cerebral Edema and Protects the Blood-Brain Barrier After Stroke. 1
- 117 TGM2-mediated histone transglutamination is dictated by steric accessibility. **2022**, 119, 1
- 116 SETD2 regulates the methylation of translation elongation factor eEF1A1 in clear cell renal cell carcinoma. **2022**, 1-14 ○
- 115 Structure and flexibility of the yeast NuA4 histone acetyltransferase complex. 11, ○
- 114 HP1 α -mediated heterochromatin formation promotes antimicrobial responses against *Pseudomonas aeruginosa* infection. **2022**, 20, ○
- 113 Structural insights into acetylated histone ligand recognition by the BDP1 bromodomain of *Plasmodium falciparum*. **2022**, ○
- 112 Factors and Mechanisms That Influence Chromatin-Mediated Enhancer-Bromoter Interactions and Transcriptional Regulation. **2022**, 14, 5404 ○

111	Epigenetic Mechanisms of Tree Responses to Climatic Changes. 2022 , 23, 13412	1
110	Short-Chain Fatty Acids in GutHeart Axis: Their Role in the Pathology of Heart Failure. 2022 , 12, 1805	0
109	Celastrol acts as a new histone deacetylase inhibitor to inhibit colorectal cancer cell growth via regulating macrophage polarity.	0
108	Ewing Sarcoma Meets Epigenetics, Immunology and Nanomedicine: Moving Forward into Novel Therapeutic Strategies. 2022 , 14, 5473	0
107	Molecular Mechanisms of Breast Cancer Metastasis.	0
106	Developmental origins of adult diseases. 2022 ,	0
105	The molecular characteristics and functional roles of microspherule protein 1 (MCRS1) in gene expression, cell proliferation, and organismic development. 1-14	0
104	Learning the histone codes with large genomic windows and three-dimensional chromatin interactions using transformer. 2022 , 13,	1
103	HIV Tat- conjugated Histone H3 peptides induce tumor cell death via cellular stress responses.	0
102	A Super-SILAC Approach for Profiling Histone Posttranslational Modifications. 2023 , 87-102	0
101	Insights into the binding interaction of Reactive Yellow 145 with human serum albumin from a biophysics point of view. 2022 , 120800	0
100	Photo-Cross-Linking To Delineate Epigenetic Interactome.	0
99	Comprehensive Transcriptome Analysis Reveals Genome-Wide Changes Associated with Endoplasmic Reticulum (ER) Stress in Potato (<i>Solanum tuberosum</i> L.). 2022 , 23, 13795	1
98	Bromodomain-containing factor GTE4 regulates Arabidopsis immune response. 2022 , 20,	0
97	Regulation of ATAD2B bromodomain binding activity by the histone code.	0
96	A novel dual epigenetic approach targeting BET proteins and HDACs in Group 3 (MYC-driven) Medulloblastoma. 2022 , 41,	0
95	Epigenetic modifications and metabolic memory in diabetic retinopathy: beyond the surface. 2023 , 18, 1441	0
94	Engaging with benzoyllysine through a π mechanism. 2023 , 72, 102252	0

93	Heterogeneity in major depressive disorder: The need for biomarker-based personalized treatments. 2022 ,	1
92	Back to Chromatin: ENCODE and the Dynamic Epigenome. 2022 , 17, 235-242	0
91	Manipulating chromatin architecture in <i>C. elegans</i> . 2022 , 15,	0
90	[PRION+] States Are Associated with Specific Histone H3 Post-Translational Modification Changes. 2022 , 11, 1436	0
89	Dynamic regulation of eEF1A1 acetylation affects colorectal carcinogenesis. 2022 ,	0
88	Modulation of the p38 MAPK Pathway by Anisomycin Promotes Ferroptosis of Hepatocellular Carcinoma through Phosphorylation of H3S10. 2022 , 2022, 1-20	0
87	Potential of histone deacetylase inhibitors for the therapy of ovarian cancer. 12,	0
86	H4K20me3 controls Ash1-mediated H3K36me3 and transcriptional silencing in facultative heterochromatin.	0
85	Polymer folding through active processes recreates features of genome organization.	0
84	Structure-Based Discovery of Selective Histone Deacetylase 8 Degradors with Potent Anticancer Activity.	0
83	H3.1Cys96oxidation by mitochondrial ROS promotes chromatin remodeling, breast cancer progression to metastasis and multi-drug resistance.	0
82	Multiplex Base-Editing Enables Combinatorial Epigenetic Regulation for Genome Mining of Fungal Natural Products.	0
81	Histone monoaminylation dynamics are regulated by a single enzyme and promote neural rhythmicity.	0
80	Involvement of epigenetics in affecting host immunity during SARS-CoV-2 infection. 2022 , 166634	0
79	How SARS-CoV-2 alters the regulation of gene expression in infected cells	0
78	Combating powdery mildew: Advances in molecular interactions between <i>Blumeria graminis</i> f. sp. <i>tritici</i> and wheat. 13,	0
77	Effects of the Omega-3 Fatty Acid DHA on histone and p53 acetylation in Diffuse Large B-Cell Lymphoma.	0
76	The dynamics of chromatin states mediated by epigenetic modifications during somatic cell reprogramming. 11,	0

- 75 Drugging the epigenome in the age of precision medicine. **2023**, 15, ○
- 74 Chromatin and Cancer: Implications of Disrupted Chromatin Organization in Tumorigenesis and Its Diversification. **2023**, 15, 466 ○
- 73 Pre-pubertal oocytes harbor altered histone modifications and chromatin configuration. 10, ○
- 72 Dynamic Metabolic and Transcriptional Responses of Proteasome-Inhibited Neurons. **2023**, 12, 164 ○
- 71 Characterization of Hepatoma-Derived Growth Factor-Related Protein 2 Interactions with Heterochromatin. **2023**, 12, 325 ○
- 70 Random Forest approach for the identification of relationships between epigenetic marks and its application to robust assignment of chromatin states. ○
- 69 The role of histone methylase and demethylase in antitumor immunity: A new direction for immunotherapy. 13, ○
- 68 Post-Translation Modifications and Mutations of Human Linker Histone Subtypes: Their Manifestation in Disease. **2023**, 24, 1463 ○
- 67 The molecular memory code and synaptic plasticity: A synthesis. **2023**, 224, 104825 ○
- 66 A complete methyl-lysine binding aromatic cage constructed by two domains of PHF2. **2022**, 102862 ○
- 65 Autoimmune conditions and epigenetic challenges in periodontitis. **2023**, 101-119 ○
- 64 On the road to resilience: Epigenetic effects of meditation. **2023**, ○
- 63 Chromatin and noncoding RNA-mediated mechanisms of gastric tumorigenesis. **2023**, 55, 22-31 ○
- 62 Epigenetic remodeling of the immune landscape in cancer: therapeutic hurdles and opportunities. **2023**, 30, 1
- 61 Epigenetics of the pathogenic myofibroblast in lung disease. **2023**, 353-392 ○
- 60 Methyl Donors, Epigenetic Alterations, and Brain Health: Understanding the Connection. **2023**, 24, 2346 ○
- 59 Genomic imprinting and developmental physiology: intrauterine growth and postnatal period. **2023**, 115-136 ○
- 58 Recent Advances on Small-Molecule Bromodomain-Containing Histone Acetyltransferase Inhibitors. **2023**, 66, 1678-1699 ○

- 57 Extracellular histone release by renal cells after warm and cold ischemic kidney injury: Studies in an ex-vivo porcine kidney perfusion model. **2023**, 18, e0279944 ○
- 56 Spatial-Temporal Genome Regulation in Stress-Response and Cell-Fate Change. **2023**, 24, 2658 1
- 55 Genetic and Epigenetic Aspects of Amelogenesis Imperfecta and Dentinogenesis Imperfecta. **2023**, 435-443 ○
- 54 Innovative strategies to study epigenetic regulation and advance precision medicine. **2023**, ○
- 53 Enhanced Characterization of Histones Using 193 nm Ultraviolet Photodissociation and Proton Transfer Charge Reduction. **2023**, 95, 5985-5993 ○
- 52 An Update of Epigenetic Drugs for the Treatment of Cancers and Brain Diseases: A Comprehensive Review. **2023**, 14, 873 ○
- 51 Stem cell development involves divergent thyroid hormone receptor subtype expression and epigenetic modifications in the amphibian intestine during metamorphosis. **2023**, 1-22 ○
- 50 Epigenetic regulation of T cell lineages in skin and blood following hematopoietic stem cell transplantation. **2023**, 248, 109245 ○
- 49 A first-in-class HBO1 inhibitor WM-3835 inhibits castration-resistant prostate cancer cell growth in vitro and in vivo. **2023**, 14, ○
- 48 Developing H3K27M mutant selective radiosensitization strategies in diffuse intrinsic pontine glioma. **2023**, 37, 100881 ○
- 47 Nanotechnology in tissue engineering and regenerative medicine. **2023**, 40, 286-301 ○
- 46 Epigenetic inhibition of lncRNA GMDS-AS1 by methyltransferase ESET promoted cell viability and metastasis of hepatocellular carcinoma. ○
- 45 Could senescence phenotypes strike the balance to promote tumor dormancy?. **2023**, 42, 143-160 ○
- 44 Histone bivalency regulates the timing of cerebellar granule cell development. ○
- 43 The Emerging Role of Epigenetics in Metabolism and Endocrinology. **2023**, 12, 256 ○
- 42 Inhibition of DNA methylation attenuates lung ischemia-reperfusion injury after lung transplantation. **2023**, 51, 030006052311535 ○
- 41 A gene-encoded FRET fluorescent sensor designed for detecting asymmetric dimethylation levels in vitro and in living cells. **2023**, 415, 1411-1420 ○
- 40 Epigenetic Effects of Social Stress and Epigenetic Inheritance. **2023**, 15, 132-145 ○

- 39 A Novel Tandem Zinc Finger Protein in *Gossypium hirsutum*, GhTZF2, Interacts with GhMORF8 to Regulate Cotton Fiber Cell Development. **2023**, 13, 519 ○
- 38 Manifold epigenetics: A conceptual model that guides engineering strategies to improve whole-body regenerative health. 11, ○
- 37 Opposing Roles of FACT for Euchromatin and Heterochromatin in Yeast. **2023**, 13, 377 ○
- 36 Novel Biotherapeutics Targeting Biomolecular and Cellular Approaches in Diabetic Wound Healing. **2023**, 11, 613 ○
- 35 The Superoncogene Myc at the Crossroad between Metabolism and Gene Expression in Glioblastoma Multiforme. **2023**, 24, 4217 ○
- 34 Leveraging histone glycation for cancer diagnostics and therapeutics. **2023**, 9, 410-420 ○
- 33 Nature-inspired protein ligation and its applications. **2023**, 7, 234-255 ○
- 32 Targeting Epigenetic Changes Mediated by Members of the SMYD Family of Lysine Methyltransferases. **2023**, 28, 2000 ○
- 31 *Schistosoma mansoni* coactivator associated arginine methyltransferase 1 (SmCARM1) effect on parasite reproduction. 14, ○
- 30 Inhibitors targeting epigenetic modifications in cancer. **2023**, 287-324 ○
- 29 Atomic resolution structure of a DNA-binding histone protein from the bacterium *Bdellovibrio bacteriovorus*. ○
- 28 Charles David Allis (1951-2023). **2023**, 55, 522-523 ○
- 27 Epigenetic Regulations in Mammalian Cells: Roles and Profiling Techniques. **2023**, 46, 86-98 ○
- 26 Epigenetic regulation of pluripotency inducer genes NANOG and SOX2 in human prostate cancer. **2023**, 241-260 ○
- 25 Linking chromatin acylation mark-defined proteome and genome in living cells. **2023**, 186, 1066-1085.e36 2
- 24 Histone 3.3-related chromatinopathy: missense variants throughout H3-3A and H3-3B cause a range of functional consequences across species. ○
- 23 Aging Hallmarks and the Role of Oxidative Stress. **2023**, 12, 651 ○
- 22 The Role of Histone Modification in DNA Replication-Coupled Nucleosome Assembly and Cancer. **2023**, 24, 4939 1

- 21 The epigenetic regulatory mechanism of PIWI/piRNAs in human cancers. **2023**, 22, ○
- 20 Discovery of Novel Substrate-Competitive Lysine Methyltransferase G9a Inhibitors as Anticancer Agents. **2023**, 66, 4059-4085 ○
- 19 Chemical Inhibitors Targeting the Histone Lysine Demethylase Families with Potential for Drug Discovery. **2023**, 7, 7 ○
- 18 The SMARCA4R1157W mutation facilitates chromatin remodeling and confers PRMT1/SMARCA4 inhibitors sensitivity in colorectal cancer. **2023**, 7, ○
- 17 An EOMES induced epigenetic deflection initiates lineage commitment at mammalian gastrulation. ○
- 16 Purkinje-Enriched snRNA-seq in SCA7 Cerebellum Reveals Zebrin Identity Loss as a Central Feature of Polyglutamine Ataxias. ○
- 15 Flexible and site-specific manipulation of histones in live animals. ○
- 14 H3K9 trimethylation dictates neuronal ferroptosis through repressing Tfr1. 0271678X2311656 ○
- 13 Micromechanical Study of Hyperacetylated Nucleosomes Using Single Molecule Transverse Magnetic Tweezers. **2023**, 24, 6188 ○
- 12 How SARS-CoV-2 Alters the Regulation of Gene Expression in Infected Cells. **2023**, 14, 3199-3207 ○
- 11 Maternal temperature stress modulates acclimation and thermal biology in *Octopus maya* (Cephalopoda: Octopodidae) juvenile progeny. **2023**, 170, ○
- 10 Mrc1Clasp is essential for heterochromatin maintenance in *Schizosaccharomyces pombe*. ○
- 9 Spurious intragenic transcription is a feature of mammalian cellular senescence and tissue aging. **2023**, 3, 402-417 ○
- 8 Molecular Recognition of Methacrylylysine and Crotonyllysine by the AF9 YEATS Domain. **2023**, 24, 7002 ○
- 7 RNF2 inhibits E-Cadherin transcription to promote hepatocellular carcinoma metastasis via inducing histone mono-ubiquitination. **2023**, 14, ○
- 6 Epigenetic regulation in the commitment of progenitor cells during retinal development and regeneration. **2023**, ○
- 5 The epileptology of Wiedemann-Steiner syndrome: Electroclinical findings in five patients with KMT2A pathogenic variants. **2023**, 44, 46-50 ○
- 4 Harnessing Epigenetics for Breast Cancer Therapy: The Role of DNA Methylation, Histone Modifications, and MicroRNA. **2023**, 24, 7235 ○

- 3 Genetics and genomics of endometriosis?. **2023**, 599-631
- 2 High-Definition Ion Mobility/Mass Spectrometry with Structural Isotopic Shifts for Nominally Isobaric Isotopologues.
- 1 Peroxisome Proliferator-Activated Receptor- α as a Target and Regulator of Epigenetic Mechanisms in Nonalcoholic Fatty Liver Disease. **2023**, 12, 1205