DNA Methylation and Cene Activity

Annual Review of Biochemistry 52, 93-124

DOI: 10.1146/annurev.bi.52.070183.000521

Citation Report

#	Article	IF	CITATIONS
1	Characterization of DNA methyltransferase from bovine thymus cells. FEBS Journal, 1983, 135, 181-185.	0.2	36
2	Quantitative determination of 5-methylcytosine in DNA by reverse-phase high-performance liquid chromatography. Analytical Biochemistry, 1983, 135, 165-171.	1.1	99
3	Stabilization and Detection of Natural Left-Handed Z-DNA. Journal of Biomolecular Structure and Dynamics, 1983 , 1 , $1-19$.	2.0	27
4	Expression of the chloramphenicol acetyltransferase gene in mammalian cells under the control of adenovirus type 12 promoters: effect of promoter methylation on gene expression Proceedings of the National Academy of Sciences of the United States of America, 1983, 80, 7586-7590.	3.3	161
5	5-Aza-2'-deoxycytidine induces terminal differentiation of leukemic blasts from patients with acute myeloid leukemias. Blood, 1984, 64, 922-929.	0.6	173
6	Estimation of the amount of 5-methylcytosine in Drosophila melanogaster DNA by amplified ELISA and photoacoustic spectroscopy EMBO Journal, 1984, 3, 263-266.	3.5	57
7	The chromosomal integration site determines the tissue-specific methylation of mouse mammary tumour virus proviral genes EMBO Journal, 1984, 3, 1129-1135.	3.5	31
8	Uneven distribution of methylation sites within the human papillomavirus la genome: possible relevance to viral gene expression. Nucleic Acids Research, 1984, 12, 8847-8860.	6.5	32
9	Possible DNA modification in GC dinucleotides of Trypanosoma bruce it elomeric sequences; relationship with antigen gene transcriptiond. Nucleic Acids Research, 1984, 12, 5235-5247.	6.5	87
10	Methylation of satellite sequences in mouse spermatogenic and somatic DNAs. Nucleic Acids Research, 1984, 12, 2807-2822.	6.5	81
11	Impaired enzymatic methylation of BPDE-modified DNA. Carcinogenesis, 1984, 5, 931-935.	1.3	17
12	Methylation patterns of repetitive DNA sequences in germ cells ofMus muscutus. Nucleic Acids Research, 1984, 12, 2823-2836.	6.5	132
13	Transcription of methylated eukaryotic viral genes in a solublein vitrosystem. Nucleic Acids Research, 1984, 12, 4715-4730.	6.5	21
14	DNA Sequences and Chromosome Structure. Journal of Cell Science, 1984, 1984, 31-41.	1.2	9
15	Interactions of Anti-poly $[d(G-br5C)]$ IgG with Synthetic, Viral and Cellular Z DNAs. Journal of Biomolecular Structure and Dynamics, 1984, 1, 1081-1107.	2.0	19
16	Selection of strongly immunogenic "tum-" variants from tumors at high frequency using 5-azacytidine Journal of Experimental Medicine, 1984, 159, 1491-1501.	4.2	81
17	Methylation of deoxycytidine in replicating cells treated with ultraviolet radiation and chemical carcinogens. Carcinogenesis, 1984, 5, 1141-1144.	1.3	13
18	Progression to steroid autonomy in S115 mouse mammary tumor cells: role of DNA methylation Journal of Cell Biology, 1984, 99, 1410-1415.	2.3	51

#	ARTICLE	IF	Citations
19	The chromatin structure of the human $\hat{l}\mu$ globin gene: nuclease hypersensitive sites correlate with multiple Initiation sites of transcription. Nucleic Acids Research, 1984, 12, 9191-9204.	6.5	30
20	Lipopolysaccharide-induced transcription of the kappa immunoglobulin locus occurs on both alleles and is independent of methylatlon status. Nucleic Acids Research, 1984, 12, 1911-1923.	6.5	67
21	Human leukemia K-562 cells: induction of erythroid differentiation by 5-azacytidine. Cell Differentiation, 1984, 14, 87-97.	1.3	62
22	The use of cloned gene probes to study differentiation in teratocarcinomas. Cell Differentiation, 1984, 15, 257-267.	1.3	10
23	Altered methionine metabolism, DNA methylation and oncogene expression in carcinogenesis. Biochimica Et Biophysica Acta: Reviews on Cancer, 1984, 738, 49-87.	3.3	148
24	A protein from human placental nuclei binds preferentially to 5-methylcytosine-rich DNA. Nature, 1984, 308, 293-295.	13.7	102
25	Heavily methylated amplified DNA in transformants of Neurospora crassa. Nature, 1984, 310, 701-704.	13.7	73
26	Purification, characterization, and kinetic mechanism of S-adenosyl-l-methionine: vitexin 2"-O-rhamnoside 7-O-methyltransferase of Avena sativa L. FEBS Journal, 1984, 140, 113-118.	0.2	28
27	Effect of 5-azacytidine on DNA methylation and on the enzymes of de novo pyrimidine biosynthesis in Bacillus subtilis Marburg strain. FEBS Journal, 1984, 145, 99-106.	0.2	8
28	Possible epigenetic mechanisms of tumor progression: Induction of high-frequency heritable but phenotypically unstable changes in the tumorigenic and metastatic properties of tumor cell populations by 5-azacytidine treatment. Journal of Cellular Physiology, 1984, 121, 87-97.	2.0	110
29	DNA Methylation: Site-Specific Methylations Cause Gene Inactivation. Angewandte Chemie International Edition in English, 1984, 23, 919-931.	4.4	22
31	5-azacytidine and fetal hemoglobin. American Journal of Hematology, 1984, 17, 439-447.	2.0	17
32	Analysis of S-adenosylmethionine and related sulfur metabolites in animal tissues. Analytical Biochemistry, 1984, 141, 161-167.	1.1	23
33	Genes with promoters in retrovirus vectors can be independently suppressed by an epigenetic mechanism. Cell, 1984, 39, 459-467.	13.5	417
34	Analysis of the methylation-regulated Mu mom transcript. Cell, 1984, 36, 189-196.	13.5	32
35	DNA Hypermethylation and changes in gene expression may be related to the chemotherapeutic action of cytarabin. European Journal of Cancer & Clinical Oncology, 1984, 20, 1561-1563.	0.9	5
36	Methylation of a middle repetitive DNA sequence class during differentiation in Friend erythroleukemia cells. FEBS Letters, 1984, 176, 250-254.	1.3	14
37	Methylation of the SV40 Hpa II site does not affect late viral gene expression in microinjected tissue culture cells. FEBS Letters, 1984, 173, 151-154.	1.3	5

#	Article	IF	Citations
38	In vitro enzymatic methylation of DNA substituted by N -2-aminofluorene. FEBS Letters, 1984, 178, 59-63.	1.3	14
40	Chromatin organization and methylation patterns of wheat 5 S RNA genes (Triticum aestivum var.) Tj ETQq1 1	. 0.784314 r	gBŢ /Overlac
41	Methylation of rRNA genes in some higher plants. Plant Science Letters, 1984, 35, 213-217.	1.9	34
42	DNA methylation patterns Formation and function. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1984, 782, 331-342.	2.4	292
43	Transcriptionally active chromatin. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1984, 782, 343-393.	2.4	350
44	DNA Methylation Patterns: Formation and Biological Functions. Springer Series in Molecular Biology, 1984, , 127-146.	1.9	20
45	The senescence of postmitotic mammalian cells: A cell-clock hypothesis. Mechanisms of Ageing and Development, 1984, 27, 15-27.	2.2	7
46	AT base pairs are less stable than GC base pairs in Z-DNA: The crystal structure of d(m5CGTAm5CG). Cell, 1984, 37, 321-331.	13.5	211
47	DNA Methylation in Eukaryotic Cells. International Review of Cytology, 1984, 92, 159-185.	6.2	78
48	Stability of the Cellular Translation Process. International Review of Cytology, 1984, 92, 93-132.	6.2	60
49	Induction of alpha-fetoprotein synthesis in differentiating F9 teratocarcinoma cells is accompanied by a genome-wide loss of DNA methylation Molecular and Cellular Biology, 1984, 4, 898-907.	1.1	89
50	Differentiation of myoblast cell lines and biological methylation: 3-deazaadenosine stimulates formation of multinucleated myofibers Proceedings of the National Academy of Sciences of the United States of America, 1984, 81, 3064-3068.	3.3	13
51	Covalent bond formation between a DNA-cytosine methyltransferase and DNA containing 5-azacytosine Proceedings of the National Academy of Sciences of the United States of America, 1984, 81, 6993-6997.	3.3	469
52	DNA methylation of three 5' C-C-G-G 3' sites in the promoter and 5' region inactivate the E2a gene of adenovirus type 2 Proceedings of the National Academy of Sciences of the United States of America, 1984, 81, 2950-2954.	3.3	126
53	In Z-DNA the sequence G-C-G-C is neither methylated by Hha I methyltransferase nor cleaved by Hha I restriction endonuclease Proceedings of the National Academy of Sciences of the United States of America, 1984, 81, 3268-3272.	3.3	70
54	Relationship of DNA methylation level to the presence of heterochromatin in mealybugs Molecular and Cellular Biology, 1984, 4, 599-603.	1.1	28
55	Genomic sequencing Proceedings of the National Academy of Sciences of the United States of America, 1984, 81, 1991-1995.	3.3	8,043
56	Loss of chloroplast DNA methylation during dedifferentiation of Chlamydomonas reinhardi gametes Molecular and Cellular Biology, 1984, 4, 2103-2108.	1.1	18

#	ARTICLE	IF	Citations
57	Differentiation of two mouse cell lines is associated with hypomethylation of their genomes Molecular and Cellular Biology, 1984, 4, 1800-1806.	1.1	90
58	Induction of the metastatic phenotype in a mouse tumor model by 5-azacytidine, and characterization of an antigen associated with metastatic activity Proceedings of the National Academy of Sciences of the United States of America, 1984, 81, 3389-3393.	3.3	99
59	Induction of a step in carcinogenesis that is normally associated with mutagenesis by nonmutagenic concentrations of 5-azacytidine Molecular and Cellular Biology, 1984, 4, 1231-1237.	1.1	30
60	Expression of Chorionic Gonadotropin $\langle i \rangle \hat{i} \pm \langle i \rangle$ and $\langle i \rangle \hat{i}^2 \langle i \rangle$. Genes in Normal and Neoplastic Human Tissues: Relationship to Deoxyribonucleic Acid Structure*. Endocrinology, 1985, 117, 231-236.	1.4	25
61	An Unusual Replication Strategy of an Animal Iridovirus. Advances in Virus Research, 1985, 30, 1-19.	0.9	30
62	Treatment of mice with 5-azacytidine efficiently activates silent retroviral genomes in different tissues Proceedings of the National Academy of Sciences of the United States of America, 1985, 82, 1451-1455.	3.3	138
63	5-Azacytidine and sodium butyrate induce expression of aromatase in fibroblasts from chickens carrying the henny feathering trait but not from wild-type chickens Proceedings of the National Academy of Sciences of the United States of America, 1985, 82, 3005-3009.	3.3	22
64	Chromosomal position and specific demethylation in enhancer sequences of germ line-transmitted retroviral genomes during mouse development Molecular and Cellular Biology, 1985, 5, 2212-2220.	1.1	63
65	Specific 5' and 3' regions of the mu-chain gene are undermethylated at distinct stages of B-cell differentiation Proceedings of the National Academy of Sciences of the United States of America, 1985, 82, 3809-3813.	3.3	26
66	Perturbation of maintenance and de novo DNA methylation in vitro by UVB (280-340 nm)-induced pyrimidine photodimers Proceedings of the National Academy of Sciences of the United States of America, 1985, 82, 6055-6059.	3.3	19
67	Ethylation of poly(dC-dG).poly(dC-dG) by ethyl methanesulfonate stimulates the activity of mammalian DNA methyltransferase in vitro Proceedings of the National Academy of Sciences of the United States of America, 1985, 82, 1045-1049.	3.3	24
68	Growth-dependent expression of multiple species of DNA methyltransferase in murine erythroleukemia cells Proceedings of the National Academy of Sciences of the United States of America, 1985, 82, 2674-2678.	3.3	54
69	Expression of the Escherichia coli dam methylase in Saccharomyces cerevisiae: effect of in vivo adenine methylation on genetic recombination and mutation Molecular and Cellular Biology, 1985, 5, 610-618.	1.1	47
70	Rescue of transfected genes from mammalian cells by functional selection in Escherichia coli. Molecular Genetics and Genomics, 1985, 201, 277-281.	2.4	1
71	Differential gene activity visualized on sister chromatids after replication in the presence of 5-azacytidine. Chromosoma, 1985, 91, 307-312.	1.0	6
72	Retrovirus-induced de novo methylation of flanking host sequences correlates with gene inactivity. Nature, 1985, 315, 594-597.	13.7	209
74	DNA methylation in extraembryonic lineages of mammals. Trends in Genetics, 1985, 1, 89-93.	2.9	42
75	Methylation and expression of a housekeeping gene. Trends in Genetics, 1985, 1, 124-125.	2.9	1

#	Article	IF	Citations
76	Effect of 5-azacytidine (5-azaC) on the induction of chromatid aberrations (CA) and sister-chromatid exchanges (SCE). Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1985, 149, 463-467.	0.4	20
77	DNA methyltransferases: Activity minigel analysis and determination with DNA covalently bound to a solid matrix. Analytical Biochemistry, 1985, 150, 442-448.	1.1	34
78	Glucocorticoid receptors in human leukemias and related diseases. Klinische Wochenschrift, 1985, 63, 689-698.	0.6	26
79	Nucleotide sequences of the cDNA and an intronless pseudogene for human lactate dehydrogenase-A isozyme. FEBS Journal, 1985, 147, 9-15.	0.2	67
80	DNA methylation of bacterial viruses T3 and T7 by different DNA methylases in Escherichia coli K12 cells. FEBS Journal, 1985, 150, 323-330.	0.2	34
81	A microanalytical procedure for determination of the base composition of DNA. FEBS Journal, 1985, 150, 475-479.	0.2	14
82	Genotoxicity of 5-azacytidine in somatic cells of Drosophila. Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis, 1985, 143, 195-199.	1.2	22
83	Roots: Chloroplast genetics. BioEssays, 1985, 3, 180-183.	1.2	11
84	Purification of human DNA (cytosine-5-)-methyltransferase. Journal of Cellular Biochemistry, 1985, 29, 337-349.	1.2	52
85	Modulatory effects of 5-azacytidine, phorbol ester, and retinoic acid on the malignant phenotype of human lung cancer cells. International Journal of Cancer, 1985, 35, 189-198.	2.3	23
86	The promoter of the late p10 gene in the insect nuclear polyhedrosis virus Autographa californica: activation by viral gene products and sensitivity to DNA methylation EMBO Journal, 1985, 4, 1301-1306.	3.5	50
87	Mouse DNA-cytosine-5-methyltransferase: sequence specificity of the methylation reaction and electron microscopy of enzyme-DNA complexes EMBO Journal, 1985, 4, 2879-2884.	3.5	23
88	Differential methylation of the c-H-ras gene in normal mouse cells and during skin tumour progression EMBO Journal, 1985, 4, 1449-1454.	3 . 5	36
89	Treatment of human cell lines with 5-azacytidine may result in profound alterations in clonogenicity and growth rate Journal of Cell Biology, 1985, 100, 508-513.	2.3	12
90	Human DNA sequene exhibiting gamete-speeille hypomethylatlon. Nucleic Acids Research, 1985, 13, 4837-4851.	6.5	17
91	Developmental modulation of DNA methylatlon in the fungusPhycomyces blakesleeanus. Nucleic Acids Research, 1985, 13, 6545-6558.	6.5	17
92	Indistinguishable physical and catalytic properties of DNA methyltransferase from normal rat liver and a transplantable rat hepatocellular carcinoma. Carcinogenesis, 1985, 6, 877-882.	1.3	1
93	Inhibition of herpes simplex thymidine kinase gene expression by DNA methylation is an indirect effect. Nucleic Acids Research, 1985, 13, 5503-5513.	6.5	43

#	Article	IF	CITATIONS
94	DNasel sensitivity of the rat albumin and α-fetoprotein genes. Nucleic Acids Research, 1985, 13, 115-129.	6.5	21
95	DNA methylation: sequences flanking C-G pairs modulate the specificity of the human DNA methylase. Nucleic Acids Research, 1985, 13, 3479-3494.	6. 5	42
96	Mouse Mammary Tumour Virus: A Proviral Gene Contributes to the Understanding of Eukaryotic Gene Expression and Mammary Tumorigenesis. Journal of General Virology, 1985, 66, 931-943.	1.3	27
97	Hypomethylation of DNA from benign and malignant human colon neoplasms. Science, 1985, 228, 187-190.	6.0	786
98	Mechanisms that Regulate Immunoglobulin Gene Expression. Annual Review of Immunology, 1985, 3, 159-195.	9.5	106
99	Molecular genetic approaches to neurologic and psychiatric diseases. Progress in Neurobiology, 1985, 24, 95-140.	2.8	11
100	DNA methylation of viruses infecting a eukaryoticChlorella-like green alga. Nucleic Acids Research, 1985, 13, 3471-3478.	6.5	85
101	Effects of DNA binding proteins on DNA methylation in vitro. Biochemistry, 1985, 24, 1193-1196.	1.2	14
102	Distribution patterns for 5-methylcytosine among apurinic DNAs from several sources. Biochemistry, 1985, 24, 7498-7502.	1.2	2
103	Enzymology of DNA replication and repair in the brain. Brain Research Reviews, 1985, 10, 231-245.	9.1	24
104	Analysis of chromatin of the brain of young and old rats by nick-translation. Biochemical and Biophysical Research Communications, 1985, 127, 604-609.	1.0	11
105	DNA sequence of the early E3 transcription unit of adenovirus 5. Virology, 1985, 140, 28-43.	1.1	152
106	Lytic viruses infecting a chlorella-like alga. Virology, 1985, 140, 135-143.	1.1	71
107	Induction of myogenic differentiation in serum-free medium does not require DNA synthesis. Developmental Biology, 1985, 108, 284-289.	0.9	28
108	Different methylation pattern of melon satellite DNA sequences in hypocotyl and callus tissues. Plant Science, 1985, 39, 189-193.	1.7	19
109	Organization and state of methylation of endogenous type C retroviral sequences in 129 mouse differentiated and undifferentiated teratocarcinoma cell lines. Virus Research, 1985, 2, 1-9.	1.1	1
110	The activity of nucleolar organizer regions of human bone marrow cells studied with silver staining. I. Chronic myelocytic leukemia. Cancer Genetics and Cytogenetics, 1985, 16, 311-320.	1.0	21
111	Expression-linked demethylation of 5-methylcytosines in the chicken vitellogenin gene region. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1985, 826, 186-194.	2.4	15

#	ARTICLE	IF	CITATIONS
112	DNA methyltransferases in normal and avian sarcoma virus-transformed rat cells. Quantitation of 5-methyldeoxycytidine in DNA and enzyme kinetics study. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1985, 826, 108-112.	2.4	7
113	A fraction of the mouse genome that is derived from islands of nonmethylated, CpG-rich DNA. Cell, 1985, 40, 91-99.	13.5	661
114	Toroidal condensation of Z DNA and identification of an intermediate in the B to Z transition of poly(dG-m5dC).cntdot.poly(dG-m5dC). Biochemistry, 1985, 24, 713-719.	1.2	98
115	Synthesis and characterization of poly $[d(G-aza5C)]$. B-Z transition and inhibition of DNA methylase. Biochemistry, 1985, 24, 4806-4814.	1.2	15
116	Covalent binding of (+)- and (-)-trans-7,8-dihydroxy-9,10-epoxy-7,8,9,10-tetrahydrobenzo[a]pyrene to B and Z DNAs. Biochemistry, 1985, 24, 6219-6227.	1.2	13
117	DNA methylation in mammalian nuclei. Biochemistry, 1985, 24, 5575-5581.	1.2	16
118	Delayed methylation and the matrix bound DNA methylase. Biochemical and Biophysical Research Communications, 1985, 126, 678-684.	1.0	14
119	Differences in methylation on the active and inactive human X chromosomes. Annals of Human Genetics, 1985, 49, 115-127.	0.3	51
120	Preferential binding of DNA methyltransferase and increased de novo methylation of deoxyinosine containing DNA. FEBS Letters, 1986, 207, 75-78.	1.3	18
121	Methylation is an early and necessary step in the sporulation programme of the slime mold Physarum polycephalum. Experimental Cell Research, 1986, 167, 271-275.	1.2	4
122	Strong effects of 5-azacytidine on the in vitro lifespan of human diploid fibroblasts. Experimental Cell Research, 1986, 166, 543-552.	1.2	108
123	Undermethylation of structural gene sequences in extraembryonic lineages of the mouse. Developmental Biology, 1986, 117, 567-573.	0.9	93
124	Characterization of viruses infecting a eukaryotic Chlorella-like green alga. Virology, 1986, 150, 170-177.	1.1	53
125	Methylation of the c-myc gene changes during aging process of mice. Biochemical and Biophysical Research Communications, 1986, 139, 1299-1304.	1.0	38
126	Methylation of chromatin in vitro. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1986, 866, 233-241.	2.4	14
127	Down-regulation of Epidermal Growth Factor Receptors in the Differentiation of 3T3-L1 Fibroblasts to Fat Cells. Annals of the New York Academy of Sciences, 1986, 463, 102-104.	1.8	3
128	In vitro enzymatic methylation of DNA modified with the mutagenic amine: 3-N,N-acetoxyacetylamino-4,6-dimethyldipyrido(1,2-a:3′,2′-d)imidazole. Cancer Letters, 1986, 32, 65-71.	3.2	2
129	The Differentiation of Germ and Somatic Cell Lines in Nematodes. Results and Problems in Cell Differentiation, 1986, 13, 1-69.	0.2	69

#	Article	IF	Citations
130	Genes for Cytochrome P-450 and Their Regulatio. Critical Reviews in Biochemistry, 1986, 19, 247-305.	7. 5	219
131	Antibodies to DN. Critical Reviews in Biochemistry, 1986, 20, 1-36.	7. 5	177
132	MOLECULAR BIOLOGY OF THE EARLY MOUSE EMBRYO. Biological Bulletin, 1986, 171, 291-309.	0.7	10
133	N6-methyldeoxyadenosine residues at specific sites decrease the activity of the E1A promoter of adenovirus type 12 DNA. Journal of Molecular Biology, 1986, 189, 371-375.	2.0	37
134	Optimized genomic sequencing as a tool for the study of cytosine methylation in the regulatory region of the chicken vitellogenin II gene. Gene, 1986, 42, 151-157.	1.0	48
135	Nucleotide sequence and molecular evolution of two tomato genes encoding the small subunit of ribulose-1,5-bisphosphate carboxylase. Gene, 1986, 48, 23-32.	1.0	16
136	Free radicals in tumor promotion. Advances in Free Radical Biology & Medicine, 1986, 2, 347-387.	2.2	169
137	5-Methylcytosine levels in nucleosome subpopulations differently involved in gene expression. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1986, 867, 195-200.	2.4	11
138	DNA methyltransferase polypeptides in mouse and human cells. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1986, 868, 238-242.	2.4	24
139	Substrate preferences of human placental DNA methyltransferase investigated with synthetic polydeoxynucleotides. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1986, 866, 135-143.	2.4	16
140	The simple repeat poly(dT-dG).poly(dC-dA) common to eukaryotes is absent from eubacteria and archaebacteria and rare in protozoans Molecular Biology and Evolution, 1986, 3, 343-55.	3.5	26
141	Comparison of factor IX methylation on human active and inactive X chromosomes: implications for X inactivation and transcription of tissue-specific genes EMBO Journal, 1986, 5, 2223-2229.	3.5	39
142	Excision repair functions in Saccharomyces cerevisiae recognize and repair methylation of adenine by the Escherichia coli dam gene Molecular and Cellular Biology, 1986, 6, 3555-3558.	1.1	32
143	Stage-specific DNA methylation in a fungal plant pathogen. Journal of Bacteriology, 1986, 165, 420-423.	1.0	26
144	The effect of <i>Hha</i> I methylation on DNA local structure. Biochemical Journal, 1986, 234, 213-216.	1.7	19
145	Nucleotide sequence of the putative regulatory region of mouse lactate dehydrogenase-A gene. Biochemical Journal, 1986, 235, 435-439.	1.7	30
146	In vitro methylation of bovine papillomavirus alters its ability to transform mouse cells Molecular and Cellular Biology, 1986, 6, 2910-2915.	1.1	11
147	DNA methyltransferase induced by PBCV-1 virus infection of a Chlorella-like green alga Molecular and Cellular Biology, 1986, 6, 1440-1445.	1.1	54

#	Article	IF	CITATIONS
148	Structure and expression of the Chinese hamster thymidine kinase gene Molecular and Cellular Biology, 1986, 6, 1998-2010.	1.1	54
149	Site-specific methylation of adenine in the nuclear genome of a eucaryote, Tetrahymena thermophila Molecular and Cellular Biology, 1986, 6, 2364-2370.	1.1	42
150	Genomic hypomethylation and far-5' sequence alterations are associated with carcinogen-induced activation of the hamster thymidine kinase gene Molecular and Cellular Biology, 1986, 6, 3023-3033.	1.1	24
151	A human DNA-binding protein is methylation-specific and sequence-specific. Nucleic Acids Research, 1986, 14, 1599-1614.	6.5	52
152	Genomic sequencing reveals a positive correlation between the kinetics of strand-specific DNA demethylation of the overlapping estradiol/glucocorticoid-receptor binding sites and the rate of avian vitellogenin mRNA synthesis Proceedings of the National Academy of Sciences of the United States of America, 1986, 83, 7167-7171.	3.3	226
153	Trans-activation of a methylated adenovirus promoter by a frog virus 3 protein Proceedings of the National Academy of Sciences of the United States of America, 1986, 83, 7688-7692.	3.3	31
154	Active X chromosome DNA is unmethylated at eight CCGG sites clustered in a guanine-plus-cytosine-rich island at the 5' end of the gene for phosphoglycerate kinase Molecular and Cellular Biology, 1986, 6, 4122-4125.	1.1	171
155	Azacytidine-induced reactivation of a DNA repair gene in Chinese hamster ovary cells Molecular and Cellular Biology, 1986, 6, 2944-2949.	1.1	109
156	Conformational lability of poly(dG-m5dC):poly(dG-m5dC). Nucleic Acids Research, 1986, 14, 5081-5097.	6.5	12
157	Biology of metastasis. Cancer, 1986, 58, 550-553.	2.0	20
158	Methylation and the X chromosome. BioEssays, 1986, 4, 204-208.	1.2	103
159	Biochemistry of Oxidative Stress. Angewandte Chemie International Edition in English, 1986, 25, 1058-1071.	4.4	1,054
160	DNA polymorphism: Spectroscopic and electro-optic characterizations of Z-DNA and other types of left-handed helical structures induced by Ni2+. Biopolymers, 1986, 25, 2281-2293.	1.2	16
162	DNA methylation in vegetative and conjugating cells of a protozoan ciliate:Blepharisma japonicum. Genesis, 1986, 7, 149-158.	3.1	8
163	Lack of correlation between hypomethylation and expression of the HLA-DRÎ \pm gene. European Journal of Immunology, 1986, 16, 365-369.	1.6	20
164	Methylation patterns of HLA-DR alpha genes in six mononuclear cell lines. Immunogenetics, 1986, 24, 298-303.	1.2	19
165	Effects of DNA methylation on specific transcription by RNA polymerase II in vitro. Molecular Biology Reports, 1986, 11, 13-17.	1.0	7
166	Detection of cytosine methylation in the maize alcohol dehydrogenase gene by genomic sequencing. Nature, 1986, 319, 243-246.	13.7	91

#	ARTICLE	IF	CITATIONS
167	CpG-rich islands and the function of DNA methylation. Nature, 1986, 321, 209-213.	13.7	3,691
168	SOS-dependent mutagenic activity of 5-azacytidine in Salmonella. Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis, 1986, 175, 205-208.	1.2	5
169	E. coli can restrict methylated DNA and may skew genomic libraries. Trends in Biotechnology, 1986, 4, 302-305.	4.9	13
170	Mutagenic and comutagenic action of $5\hat{a}\in^2$ -deoxy- $5\hat{a}\in^2$ -(methylthio) adenosine. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1986, 161, 1-7.	0.4	2
171	DNA cytosine methylation and heat-induced deamination. Bioscience Reports, 1986, 6, 387-393.	1.1	166
172	A unified theory for the development of cancer. Bioscience Reports, 1986, 6, 691-708.	1.1	50
173	Comparative anatomical analysis of human trisomies 13, 18, and 21: I. The forelimb. Teratology, 1986, 33, 159-186.	1.8	27
174	Stability of DNA methylation of the human hypoxanthine phosphoribosyltransferase gene. Somatic Cell and Molecular Genetics, 1986, 12, 153-161.	0.7	32
175	Structural Organization and Unusual Codon Usage in the DNA Polymerase Gene from Herpes Simplex Virus Type 1. DNA and Cell Biology, 1986, 5, 281-288.	5.1	33
176	Molecular Genetics of Transposable Elements in Plants. Annual Review of Genetics, 1986, 20, 175-200.	3.2	191
177	Conformational DNA transition in thein vitrotorsionally strained chickenβ-globin 5′ region. Nucleic Acids Research, 1986, 14, 7143-7158.	6.5	21
178	DNase I hypersensitivity and methylation of the 5'-flanking region of the $\hat{l}\pm 1$ -fetoprotein gene during developmental and glucocorticoid-induced repression of its activity in rat liver. Nucleic Acids Research, 1986, 14, 9827-9841.	6.5	36
179	Small tandemly repeated DNA sequences of higher plants likely originate from a tRNA gene ancestor. Nucleic Acids Research, 1986, 14, 8111-8119.	6.5	45
180	DNA methylation and hepatocarcinogenesis in rats fed a choline-devoid diet. Carcinogenesis, 1986, 7, 1309-1312.	1.3	120
181	Core Particle, Fiber, and Transcriptionally Active Chromatin Structure. Annual Review of Cell Biology, 1986, 2, 117-147.	26.0	173
182	In vitromethylation inhibits the promotor activity of a cloned intracisternal A-particle LTR. Nucleic Acids Research, 1986, 14, 4343-4352.	6.5	55
183	Uudermethylation of interferon- \hat{l}^3 gene in human T cell lines and normal T lymphocytes. Nucleic Acids Research, 1986, 14, 4421-4436.	6.5	26
184	A restriction and modification model for the initiation and control of recombination in <i>Neurospora</i>). Genetical Research, 1986, 47, 157-165.	0.3	36

#	Article	IF	CITATIONS
185	Salt induced B $\hat{a} \in \text{``}$ A transition of poly(dG).poly(dC) and the stabilization of A form by its methylation. Nucleic Acids Research, 1986, 14, 2737-2748.	6.5	96
186	Tetrahymenaconjugation-induced genes: structure and organization in macro- and micronuclei. Nucleic Acids Research, 1986, 14, 1341-1354.	6.5	39
187	DNA methylation and transcriptional controls of proviral DNA in avian sarcoma virus-transformed mammalian cells. Nucleic Acids Research, 1986, 14, 2481-2495.	6.5	4
188	Methylation of Marek's Disease Virus DNA in Chicken T-lymphoblastoid Cell Lines. Journal of General Virology, 1987, 68, 1485-1490.	1.3	25
189	Differential nuclear protein binding to 5-azacytosine-containing DNA as a potential mechanism for 5-aza-2'-deoxycytidine resistance Molecular and Cellular Biology, 1987, 7, 3076-3083.	1.1	69
190	Two Distinct Compositional Classes of Vertebrate Gene-Bearing DNA Stretches, Their Structures and Possible Evolutionary Origin. DNA and Cell Biology, 1987, 6, 109-118.	5.1	25
191	Specific Factors Binding to the Late E2A Promoter Region of Adenovirus Type 2 DNA: No Apparent Effects of $5\hat{a}\in^2$ -CCGG- $3\hat{a}\in^2$ Methylation. DNA and Cell Biology, 1987, 6, 449-460.	5.1	27
192	Gene reactivation: a tool for the isolation of mammalian DNA methylation mutants Genes and Development, 1987, 1, 899-912.	2.7	27
193	Thymine methyls and DNA–protein interactions. Nucleic Acids Research, 1987, 15, 9975-9983.	6.5	52
194	Human DNA (cytosme-5)methyftransferase selectively methylates duplex DNA containing mispairs. Nucleic Acids Research, 1987, 15, 6899-6916.	6.5	51
195	Interferon-induced revertants of ras-transformed cells: resistance to transformation by specific oncogenes and retransformation by 5-azacytidine Molecular and Cellular Biology, 1987, 7, 2196-2200.	1.1	45
196	Different levels of DNA methylation in yeast and mycelial forms of Candida albicans. Journal of Bacteriology, 1987, 169, 4393-4395.	1.0	47
197	Chemical carcinogen-induced decreases in genomic 5-methyldeoxycytidine content of normal human bronchial epithelial cells Proceedings of the National Academy of Sciences of the United States of America, 1987, 84, 3298-3301.	3.3	41
198	Major Histocompatibility Antigens on Trophoblast and Their Regulation: Implications in the Maternalâ€Fetal Relationship. American Journal of Reproductive Immunology and Microbiology: AJRIM, 1987, 15, 12-18.	1.5	50
199	Naturally occurring methylation inhibitor: DNA hypomethylation and hemoglobin synthesis in human K562 cells Molecular and Cellular Biology, 1987, 7, 1759-1763.	1.1	21
200	Role of an adenovirus E2 promoter binding factor in E1A-mediated coordinate gene control Proceedings of the National Academy of Sciences of the United States of America, 1987, 84, 2180-2184.	3.3	288
201	Chromatin structure is required to block transcription of the methylated herpes simplex virus thymidine kinase gene Proceedings of the National Academy of Sciences of the United States of America, 1987, 84, 1177-1181.	3.3	237
202	Recombinant dna in Filamentous Fungi: Progress and Prospects. Critical Reviews in Biotechnology, 1987, 6, 357-393.	5.1	153

#	Article	IF	CITATIONS
203	Developmental regulation of cytosine methylation in the nuclear ribosomal RNA genes of Pisum sativum. Journal of Molecular Biology, 1987, 193, 15-26.	2.0	104
204	DNA methylation in aging of mice. Mechanisms of Ageing and Development, 1987, 41, 199-210.	2.2	169
205	The methylation state of the proviruses in avian sarcoma virus transformed chick and rat cells. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1987, 910, 116-122.	2.4	1
206	LINE-1: A mammalian transposable element. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1987, 910, 203-212.	2.4	222
207	Inactivation of de novo DNA methyltransferase activity by high concentrations of double-stranded DNA. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1987, 910, 292-296.	2.4	3
208	Induction of Transformed Cells to Terminal Differentiation. Annals of the New York Academy of Sciences, 1987, 511, 246-255.	1.8	23
209	DNA methylation in hereditary persistence of fetal hemoglobin (HPFH-2). Nucleic Acids Research, 1987, 15, 5169-5179.	6.5	8
210	Allele-specific methylation of the human c-Ha-ras-1 gene. Cell, 1987, 50, 711-717.	13.5	81
211	Infection with frog virus 3 allows transcription of DNA methylated at cytosine but not adenine residues. Virology, 1987, 160, 275-277.	1.1	4
212	Mutation in a DNA-binding protein reveals an association between DNA-methyltransferase activity and a 26,000-Da polypeptide in frog virus 3-infected cells. Virology, 1987, 161, 211-217.	1.1	18
213	Chronic exposure to dexamethasone induces hypomethylation of ornithine decarboxylase genes in a human myeloma cell line. FEBS Letters, 1987, 215, 68-72.	1.3	9
214	Methylation of the enhancer region of avian sarcoma virus long terminal repeat suppresses transcription. FEBS Letters, 1987, 221, 332-336.	1.3	13
215	The expression of integrated plasmid DNA depends on copy number. Experimental Cell Research, 1987, 168, 376-388.	1.2	3
216	The influence of the dT·dC mispair on the activity of the human DNA(cytosine-5)methyltransferase. Biochemical and Biophysical Research Communications, 1987, 146, 596-602.	1.0	10
217	Base stacking and molecular polarizability: Effect of a methyl group in the 5-position of pyrimidines. Biochemical and Biophysical Research Communications, 1987, 148, 790-794.	1.0	117
218	Size of the directing moiety at carbon 5 of cytosine and the activity of human DNA(cytosine-5)methyltransferase. Biochemical and Biophysical Research Communications, 1987, 145, 146-152.	1.0	16
219	Alterations in DNA methylation in human colon neoplasia. Journal of Surgical Oncology, 1987, 3, 149-151.	1.4	48
220	Genomic footprinting reveals cell type-specific DNA binding of ubiquitous factors. Cell, 1987, 51, 435-443.	13.5	364

#	Article	IF	CITATIONS
221	Characterization of DNase(s) activity in tobacco leaf extracts. Plant Science, 1987, 52, 57-65.	1.7	4
222	A specific mismatch repair event protects mammalian cells from loss of 5-methylcytosine. Cell, 1987, 50, 945-950.	13.5	200
223	The metabolism of excess methionine in the liver of the intact rat: an in vivo deuterium NMR study. Biochemistry, 1987, 26, 7166-7172.	1.2	26
224	The inheritance of epigenetic defects. Science, 1987, 238, 163-170.	6.0	1,046
225	Development of extraembryonic cell lineages in the mouse embryo., 1987,, 97-120.		10
226	Differential DNA methylation during the vegetative life cycle of Neurospora crassa. Journal of Bacteriology, 1987, 169, 2902-2905.	1.0	64
227	Genetic expression of adenosine deaminase in human lymphoid malignancies. Blood, 1987, 69, 1376-1380.	0.6	12
228	In vitro senescence of human keratinocyte cultures Cell Structure and Function, 1987, 12, 539-548.	0.5	11
229	Covalent DNA modification and the regulation of Mutator element transposition in maize. Molecular Genetics and Genomics, 1987, 208, 45-51.	2.4	86
230	DNA methylation in leprosy-associated bacteria: Mycobacterium leprae and Corynebacterium tuberculostearicum. Medical Microbiology and Immunology, 1987, 177, 33-45.	2.6	8
231	Replication of the rRNA and legumin genes in synchronized root cells of pea (Pisum sativum): evidence for transient EcoR I sites in replicating rRNA genes. Plant Molecular Biology, 1987, 8, 133-143.	2.0	8
232	Determination of trace amounts of 5-methylcytosine in DNA by reverse-phase high-performance liquid chromatography. Analytical Biochemistry, 1987, 164, 164-169.	1.1	67
233	Chromatin structure and plant gene expression. Genesis, 1987, 8, 405-434.	3.1	13
234	Regulation of immunoglobulin gene transcription by labile represser factor(s). European Journal of Immunology, 1987, 17, 1249-1256.	1.6	16
235	Eukaryotic DNA methylation and demethylation - sequence and strand specificity. BioEssays, 1987, 7, 273-274.	1.2	2
236	A model for the transcriptional regulation of MHC class II genes. Trends in Immunology, 1987, 8, 289-293.	7.5	83
237	DNA methylation and epigenetic defects in carcinogenesis. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1987, 181, 215-217.	0.4	53
238	Activation of human? 1,-antitrypsin genes in rat hepatoma i;½ human fibroblast hybrid cell lines is correlated with demethylation. Somatic Cell and Molecular Genetics, 1987, 13, 635-644.	0.7	9

#	Article	IF	CITATIONS
239	Regulation of cytochrome P-450c in differentiated and dedifferentiated rat hepatoma cells: Role of theAh receptor. Somatic Cell and Molecular Genetics, 1987, 13, 513-528.	0.7	14
240	Quantitative determination of methylated CpG in satellite DNA I and in L1Rn DNA sequences extracted from rat kidney tissue and from rat kidney cell lines. FEBS Journal, 1988, 175, 135-139.	0.2	0
241	Dna sequence and conformation specificity of lupus autoantibodies. preferential binding to the left-handed z-dna form of synthetic polynucleotides. Arthritis and Rheumatism, 1988, 31, 367-377.	6.7	21
242	Amplification of the EGF receptor andc-myc genes in human esophageal cancers. International Journal of Cancer, 1988, 42, 502-505.	2.3	133
243	Effects of 5-azacytidine, sodium butyrate, and phorbol esters on amino acid transport system A in a kidney epithelial cell line, MDCK: Evidence for multiple mechanisms of regulation. Journal of Cellular Physiology, 1988, 137, 117-124.	2.0	8
244	Association of SIBA treatment and a Met-depleted diet inhibitsin vitro growth andin vivo metastatic spread of experimental tumor cell lines. Clinical and Experimental Metastasis, 1988, 6, 3-16.	1.7	17
245	DNA methylation and tissue-specific transcription of the storage protein genes of maize. Plant Molecular Biology, 1988, 11, 203-214.	2.0	105
246	Genotypes affecting the condensation and transmission of heterochromtic B chromosomes in the mealybug Pseudococcus affinis. Chromosoma, 1988, 96, 205-212.	1.0	51
247	DNA methylation of the maize transposable element Ac interferes with its transcription. Molecular Genetics and Genomics, 1988, 214, 325-327.	2.4	55
248	Molecular mapping of rice chromosomes. Theoretical and Applied Genetics, 1988, 76, 815-829.	1.8	1,040
249	A domain model for eukaryotic DNA organization: A molecular basis for cell differentiation and chromosome evolution. Journal of Theoretical Biology, 1988, 132, 479-507.	0.8	101
250	Carcinogenicity and haemoglobin synthesis induction by cytidine analogues. British Journal of Cancer, 1988, 57, 395-402.	2.9	49
251	Conformational effects of histones H1 on DNA structure. Biophysical Chemistry, 1988, 31, 275-286.	1.5	2
252	Genetic analysis of L-ethionine-mediated induction of alpha-fetoprotein in mice. Somatic Cell and Molecular Genetics, 1988, 14, 553-566.	0.7	9
253	Deletion and hypermethylation of thymidine kinase gene in V79 Chinese hamster cells resistant to bromodeoxyuridine. Somatic Cell and Molecular Genetics, 1988, 14, 567-581.	0.7	17
254	The nature of oxidants and antioxidant systems in the inhibition of mutation and cancer. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1988, 202, 363-375.	0.4	234
255	A comparison of viruses infecting two different Chlorella-like green Algae. Virology, 1988, 167, 143-149.	1.1	55
256	Do trifluorothymidine-resistant mutants of L5178Y mouse lymphoma cells re-express thymidine kinase activity following 5-azacytidine treatment?. Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis, 1988, 207, 77-82.	1.2	1

#	Article	IF	CITATIONS
257	Developmental characterization and chromosomal mapping of the 5-azacytidine-sensitive fluF locus of Aspergillus nidulans Molecular and Cellular Biology, 1988, 8, 3043-3050.	1.1	32
258	Transcription of left-handed Z-DNA templates: increased rate of single-step addition reactions catalyzed by wheat germ RNA polymerase II. Biochemistry, 1988, 27, 6371-6378.	1.2	18
259	5-Fluorocytosine in DNA is a mechanism-based inhibitor of Hhal methylase. Biochemistry, 1988, 27, 5204-5210.	1.2	110
260	Changes in hepatic differentiation following treatment of rat fetuses with 5-azacytidine. Archives of Biochemistry and Biophysics, 1988, 263, 237-244.	1.4	6
261	DNA hypomethylation in ethionine-induced rat preneoplastic hepatocyte nodules. Biochemical and Biophysical Research Communications, 1988, 150, 739-744.	1.0	41
262	Hypomethylation and expression of pepsinogen a genes in the fundic mucosa of human stomach. Biochemical and Biophysical Research Communications, 1988, 151, 275-282.	1.0	16
263	Albumin and \hat{l}_{\pm} -fetoprotein gene expression and DNA methylation in rat hepatoma cell lines. Experimental Cell Research, 1988, 174, 433-447.	1.2	34
264	Variable DNA methylation changes during differentiation of human melanoma cells*1. Experimental Cell Research, 1988, 178, 41-50.	1.2	3
265	Intracellular distribution of DNA methyltransferase during the cell cycle. FEBS Letters, 1988, 236, 9-13.	1.3	17
266	Tissue specific methylation of human Y chromosomal DNA sequences. Tissue and Cell, 1988, 20, 875-880.	1.0	2
267	Reactivation of the methylation-inhibited late E2A promoter of adenovirus type 2 by a strong enhancer of human cytomegalovirus. Virology, 1988, 166, 166-174.	1.1	44
268	Activation of the major late promoter in adenovirus transformed cells by 5-azacytidine. Virology, 1988, 165, 296-298.	1.1	3
269	Cloning and sequencing of a cDNA encoding DNA methyltransferase of mouse cells. Journal of Molecular Biology, 1988, 203, 971-983.	2.0	840
270	Regulation of the Expression of the Human Preprogastrin-Releasing Peptide Gene and Post-translational Processing of Its Gene Product. Annals of the New York Academy of Sciences, 1988, 547, 30-40.	1.8	3
271	Localization, in human placenta, of the tightly bound form of DNA methylase in the higher order of chromatin organization. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1988, 951, 191-200.	2.4	9
272	Isolation and characterization of proteins that stimulate the activity of mammalian DNA methyltransferase. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1988, 951, 201-212.	2.4	7
273	Reduced methyl group acceptance of $1-\hat{l}^2$ -d-arabinofuranosylcytosine-containing DNA polymers. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1988, 950, 366-373.	2.4	2
274	The RNA polymerase II molecule at the $5\hat{a}\in^2$ end of the uninduced hsp70 gene of D. melanogaster is transcriptionally engaged. Cell, 1988, 54, 795-804.	13.5	658

#	Article	IF	CITATIONS
275	Abnormalities of the Human Growth Hormone Gene and Protooncogenes in Some Human Pituitary Adenomas. Molecular Endocrinology, 1988, 2, 85-89.	3.7	28
276	Methylation of cytosine in the 5-position alters the structural and energetic properties of the supercoil-induced Z-helix and B-Z junctions. Biochemistry, 1988, 27, 2970-2978.	1.2	52
277	Cytosine methylation prevents binding to DNA of a HeLa cell transcription factor required for optimal expression of the adenovirus major late promoter Genes and Development, 1988, 2, 1136-1143.	2.7	510
278	Cell-specific hypomethylation of the pepsinogen gene in pepsinogen-producing cells. Biochemical and Biophysical Research Communications, 1988, 155, 670-677.	1.0	6
279	Molecular mechanisms regulating the expression of murine T-cell $Fc\hat{l}^3$ receptor II. Molecular Immunology, 1988, 25, 1143-1150.	1.0	7
280	Genomic organization of the 28 kDa glutelin-2 gene from maize. Plant Science, 1988, 54, 211-218.	1.7	11
281	Promoter inhibition by DNA methylation: a reversible signal. Gene, 1988, 74, 129-133.	1.0	19
282	DNA methylation and control of genome organization in Neurospora crassa. Gene, 1988, 74, 109-111.	1.0	9
283	5-aza-cytosine derivative chemotherapy in AIDS. Annales De L'Institut Pasteur Virology, 1988, 139, 309-317.	0.5	3
284	Integration of foreign DNA into mammalian genome can be associated with hypomethylation at site of insertion. Virus Research, 1988, 11, 335-342.	1.1	48
285	DNA (cytosine) methylation in murine and human tumor cell lines treated with S-adenosylhomocysteine hydrolase inhibitors. Cancer Letters, 1988, 39, 319-327.	3.2	22
286	DNA methylation levels in acute human leukemia. Cancer Letters, 1988, 39, 185-192.	3.2	17
287	Reactivation of the methylation-inactivated late E2A promoter of adenovirus type 2 by E1A (13 S) functions. Journal of Molecular Biology, 1988, 202, 255-270.	2.0	79
288	DNA methylation, chromatin structure and regulation of Herpes simplex virus tk gene expression. Gene, 1988, 74, 135-137.	1.0	12
289	Expression of the gastrin releasing peptide gene in human small cell lung cancer. Lung Cancer, 1988, 4, 196-199.	0.9	13
290	Reverse transcriptase activity in 5-azacytidine-treated lymphocyte cultures of patients with schizophrenia. Schizophrenia Research, 1988, 1, 385-389.	1.1	10
291	5-Azacytidine accelerates yeast-mycelium conversion in. Cell Biology International Reports, 1988, 12, 35-40.	0.7	6
293	Crystal and Molecular Structure of the Ammonium Salt of the Dinucleoside Monophosphate d(CpG). Journal of Biomolecular Structure and Dynamics, 1988, 6, 511-523.	2.0	19

#	Article	IF	CITATIONS
294	Sp1 transcription factor binds DNA and activates transcription even when the binding site is CpG methylated Genes and Development, 1988, 2, 1127-1135.	2.7	296
295	Isolation and Restriction Analysis of DNA from Heterocysts and Vegetative Cells of Cyanobacteria. Microbiology (United Kingdom), 1988, 134, 2943-2949.	0.7	10
296	p53 in chronic myelogenous leukemia. Study of mechanisms of differential expression Journal of Experimental Medicine, 1988, 167, 873-886.	4.2	82
297	Proglucagon Gene Expression and Posttranslational Processing in a Hamster Islet Cell Line*. Endocrinology, 1988, 123, 1861-1867.	1.4	51
298	The structure of the regulatory region of the rat L1 (L1Rn, long interspersed repeated) DNA family of transposable elements. Nucleic Acids Research, 1988, 16, 9215-9231.	6.5	57
299	A long range restriction map of the pseudoautosomal region by partial digest PFGE analysis from the telomere. Nucleic Acids Research, 1988, 16, 5361-5377.	6.5	64
300	The left end of rat L1 (L1Rn, long interspersed repeated) DNA which is a CpG island can function as a promoter. Nucleic Acids Research, 1988, 16, 9233-9251.	6.5	74
301	DNA Methylation Occurred around Lowly Expressed Genes of Plastid DNA during Tomato Fruit Development. Plant Physiology, 1988, 88, 16-20.	2.3	53
302	The Intracisternal A-Particle Gene Family: Structure and Functional Aspects. Advances in Cancer Research, 1988, 51, 183-276.	1.9	338
303	UV-induced photoproducts of 5-methylcytosine in a DNA sequence context. Nucleic Acids Research, 1988, 16, 3327-3340.	6.5	12
304	Genomic sequencing and in vivo footprinting of an expression-specific DNase I-hypersensitive site of avian vitellogenin II promoter reveal a demethylation of a mCpG and a change in specific interactions of proteins with DNA Proceedings of the National Academy of Sciences of the United States of America, 1988, 85, 6697-6700.	3.3	65
305	Unit-length line-1 transcripts in human teratocarcinoma cells Molecular and Cellular Biology, 1988, 8, 1385-1397.	1.1	328
306	Synergistic effect of 5-azacytidine and .GAMMAinterferon or dimethyl sulfoxide on expression of HLA class I antigens by PLC-PRF-5 cells Tohoku Journal of Experimental Medicine, 1988, 155, 117-128.	0.5	1
307	Effects of 5-azacytidine and methyl-group deficiency on NAD(P)H: quinone oxidoreductase and glutathione S-transferase in liver. Biochemical Journal, 1988, 251, 825-829.	1.7	11
308	Methylation of the $\hat{l}\pm 2(l)$ collagen gene in chemically transformed rat liver epithelial cells. Biochemical Journal, 1988, 253, 269-273.	1.7	19
309	Nuclear Function and Organization: The Potential of Immunochemical Approaches. International Review of Cytology, 1988, 110, 27-92.	6.2	85
310	Absence of methylation of a CpG-rich region at the 5' end of the MIC2 gene on the active X, the inactive X, and the Y chromosome Proceedings of the National Academy of Sciences of the United States of America, 1988, 85, 5605-5609.	3.3	59
311	Hypomethylation of ornithine decarboxylase gene and erb-A1 oncogene in human chronic lymphatic leukemia. Blood, 1988, 72, 2042-2044.	0.6	39

#	Article	IF	CITATIONS
312	The promoter of Alzheimer's disease amyloid A4 precursor gene EMBO Journal, 1988, 7, 2807-2813.	3.5	285
313	Methylation State of Cellular Genes and Oncogenes as a Marker of Malignancy in Human Carcinomas. Tumori, 1989, 75, 321-328.	0.6	1
314	DNA methylation and differentiation Environmental Health Perspectives, 1989, 80, 189-197.	2.8	39
315	In vitroDNA cytosine roethytation of cis-regulatory elements modulates c-Ha-ras promoter activity in vivo. Nucleic Acids Research, 1989, 17, 5135-5148.	6.5	21
316	Cellular mosaicism in the methylation and expression of hemizygous loci in the mouse Genes and Development, 1989, 3, 1669-1676.	2.7	82
317	Phylogenetic evidence of a role for 5-hydroxymethyluracil-DNA glycosylase in the maintenance of 5-methylcytosine in DNA. Nucleic Acids Research, 1989, 17, 7653-7661.	6.5	45
318	CpG methylation of the cAMP-responsive enhancer/promoter sequence TGACGTCA abolishes specific factor binding as well as transcriptional activation Genes and Development, 1989, 3, 612-619.	2.7	498
320	Protooncogene methylation and expression in regenerating liver and preneoplastic liver nodules induced in the rat by diethylnitrosamine: effects of variations of S-adenosylmethionine: S-adenosylhomocysteine ratio. Carcinogenesis, 1989, 10, 1183-1192.	1.3	97
321	The Effects of 5-Azacytidine, 12-O-Tetradecanoylphorbol 13-acetate and Sodium n-butyrate on Reactivation of Alphaherpesvirus Saimiri from Explant Cultures of Latently Infected Rabbit Dorsal Root Ganglia. Journal of General Virology, 1989, 70, 2507-2512.	1.3	4
322	Related sites in human and herpesvirus DNA recognized by methylated DNA-binding protein from human placenta. Nucleic Acids Research, 1989, 17, 1459-1474.	6.5	37
323	Targeted transformation of Ascobolus immersus and de novo methylation of the resulting duplicated DNA sequences Molecular and Cellular Biology, 1989, 9, 2818-2827.	1.1	179
324	Thyroid Hormone-, Carbohydrate, and Age-Dependent Regulation of a Methylation Site in the Hepatic S14 Gene. Molecular Endocrinology, 1989, 3, 645-650.	3.7	14
325	S-Adenosylmethionine, S-adenosylhomocysteine and DNA methylation levels in the liver of rats fed methapyrilene and analogs. Carcinogenesis, 1989, 10, 557-562.	1.3	14
326	Mechanism of action of 5-AZA-dC: Induced DNA hypomethylation does not lead to aberrant gene expression in human leukemic CEM cells. Leukemia Research, 1989, 13, 715-722.	0.4	8
327	Changes in DNA methyltransferase induced by treatment with N-2-acetylaminofluorene. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1989, 215, 55-60.	0.4	3
328	DNA methylation and cell memory. Cell Biophysics, 1989, 15, 1-13.	0.4	54
329	Promoter inactivation or inhibition by sequence-specific methylation and mechanisms of reactivation. Cell Biophysics, 1989, 15, 21-27.	0.4	18
330	Demethylation and specific remethylation of the promoter-like region of the L family of mammalian transposable elements. Cell Biophysics, 1989, 15, 61-66.	0.4	3

#	Article	IF	Citations
331	The DNA methylation system in proliferating and differentiated cells. Cell Biophysics, 1989, 15, 79-86.	0.4	7
332	Sea urchin DNA methyltransferases. Cell Biophysics, 1989, 15, 127-143.	0.4	4
333	Hypomethylation of the human HLA-DRÎ \pm gene in breast carcinomas and autologous metastases. Clinical and Experimental Metastasis, 1989, 7, 417-426.	1.7	4
334	A flow cytometric assay for the determination of cell proliferation with a monoclonal antibody directed against DNA-methyltransferase. British Journal of Haematology, 1989, 72, 492-496.	1.2	11
335	Structure of 5-methyl-2'-deoxycytidine 5'-monophosphate dihydrate. Acta Crystallographica Section C: Crystal Structure Communications, 1989, 45, 1652-1655.	0.4	2
336	Synergistic induction of cytogenetic damage by alkylating antineoplastics and 5-azacytidine in human lymphocytes. Environmental and Molecular Mutagenesis, 1989, 14, 6-12.	0.9	12
337	5-azacytidine induces sex chromosome loss and interchange in immature germ cells of Drosophila mei-9 males. Environmental and Molecular Mutagenesis, 1989, 14, 135-145.	0.9	7
338	The methylation state of the T cell antigen receptor \hat{l}^2 chain gene in subpopulations of mouse thymocytes. European Journal of Immunology, 1989, 19, 873-879.	1.6	4
339	DNA methylation in fungi. Genesis, 1989, 10, 63-69.	3.1	33
340	The Role of Methylation in Regulating the Expression of the Alpha-Fetoprotein Gene in Developing Rat Liver and Hepatoma Cell Lines. Molecular Carcinogenesis, 1989, 2, 287-297.	1.3	5
341	Evidence for tissue-specific cytosine-methylation of plastid DNA from Zea mays. Current Genetics, 1989, 15, 371-376.	0.8	26
342	Isolation and characterization of a family of rat endogenous retroviral sequences. Virus Genes, 1989, 3, 69-83.	0.7	22
343	Granulocytic differentiation of HL-60 cells is not regulated by DNA de novo methylation. Blut, 1989, 58, 159-163.	1.2	8
344	The UV excision-repair system of Saccharomyces cerevisiae is involved in the removal of methylcytosines formed in vivo by a cloned prokaryotic DNA methyltransferase. Current Genetics, 1989, 16, 461-464.	0.8	8
345	Pharmacodynamic and DNA methylation studies of high-dose 1-?-d-arabinofuranosyl cytosine before and after in vivo 5-azacytidine treatment in pediatric patients with refractory acute lymphocytic leukemia. Cancer Chemotherapy and Pharmacology, 1989, 24, 203-10.	1.1	33
346	Tagging of a maize gene involved in kernel development by an activated Uq transposable element. Molecular Genetics and Genomics, 1989, 219, 324-327.	2.4	18
347	An investigation into the role of 5-Azacytidine in tissue culture. Theoretical and Applied Genetics, 1989, 78, 321-328.	1.8	13
348	Cytidine Analogues and Stomatogenic Recovery in Amicronucleate <i>Paramecium tetraurelia</i> and <i>Paramecium jenningsi</i> Journal of Protozoology, 1989, 36, 74-81.	0.9	15

#	ARTICLE	IF	CITATIONS
349	The inheritance of acquired epigenetic variations. Journal of Theoretical Biology, 1989, 139, 69-83.	0.8	250
350	DNA Methylation and Differentiation of Human Keratinocytes. Journal of Investigative Dermatology, 1989, 93, 687-690.	0.3	10
351	Human lymphocytes aged in vivo have reduced levels of methylation in transcriptionally active and inactive DNA. Mutation Research - DNAging, 1989, 219, 29-37.	3.3	66
352	Altered methionine metabolism in metastatic variants of a human melanoma cell line. Cancer Letters, 1989, 44, 23-31.	3.2	11
353	Fine structure analysis of the Chinese hamster AS gene encoding asparagine synthetase. Gene, 1989, 80, 75-85.	1.0	12
354	Inhibition of rat growth hormone promoter activity by site-specific DNA methylation. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1989, 1008, 234-242.	2.4	12
355	De novo methylation as major event in the inactivation of transfected herpesvirus thymidine kinase genes in human cells. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1989, 1007, 215-223.	2.4	21
356	Chromatin structure and levels of expression and DNA methylation in the E3 region of chromosomally integrated adenovirus type 12 DNA. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1989, 1007, 228-232.	2.4	1
357	Cytosine methylation in the EcoRI site of active and inactive herpesvirus thymidine kinase promoters. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1989, 1008, 62-70.	2.4	12
358	Genomic sequencing and methylation analysis by ligation mediated PCR. Science, 1989, 246, 810-813.	6.0	445
359	Loss of alpha I type I collagen gene expression in rat clonal bone cell lines is accompanied by DNA methylation. Biochemical and Biophysical Research Communications, 1989, 162, 1446-1452.	1.0	4
360	Methylation of human ornithine decarboxylase gene before transfection abolishes its transient expression in Chinese hamster ovary cells. Biochemical and Biophysical Research Communications, 1989, 162, 528-534.	1.0	16
361	Polypeptide composition and an immunological analysis of DNA methyltransferases from different species. Archives of Biochemistry and Biophysics, 1989, 268, 388-392.	1.4	3
362	Abnormal methylation of estrogen receptor gene and reduced estrogen receptor RNA levels in human endometrial carcinomas. The Journal of Steroid Biochemistry, 1989, 32, 1-4.	1.3	18
363	1,2-sn-Diacylglycerol accumulates in choline-deficient liver. FEBS Letters, 1989, 243, 267-270.	1.3	27
364	Changes in DNA methylation are associated with loss of insecticide resistance in the peach-potato aphid Myzus persicae (Sulz.). FEBS Letters, 1989, 243, 323-327.	1.3	91
365	Biological activity of hemimethylated and single-stranded DNA after direct gene transfer into tobacco protoplasts. FEBS Letters, 1989, 253, 163-166.	1.3	21
366	Gene transfer in plant protoplasts Inhibition of gene activity by cytosine methylation and expression of single-stranded DNA constructs. FEBS Letters, 1989, 253, 167-172.	1.3	12

#	Article	IF	Citations
367	Methylation of repetitive DNA sequences in the brain during aging of the rat. FEBS Letters, 1989, 244, 193-198.	1.3	33
368	DNA-methylation in HL-60 cells treated with 3-deaza-($\hat{A}\pm$)-aristeromycin and 3-deazaadenosine. Biochemical Pharmacology, 1989, 38, 2748-2751.	2.0	7
369	The block of thyroglobulin synthesis, which occurs upon transformation of rat thyroid epithelial cells, is at the transcriptional level and it is associated with methylation of the 5′ flanking region of the gene. Experimental Cell Research, 1989, 183, 277-283.	1.2	15
370	Non-C-G recognition sequences of DNA cytosin-5-methyltransferase from rat liver. Biochemical and Biophysical Research Communications, 1989, 160, 1175-1182.	1.0	20
371	Molecular genetics of ornithine decarboxylase in human tumor cells. Advances in Enzyme Regulation, 1989, 28, 81-91.	2.9	4
372	The antibody response of normal mice to immunization with single-stranded DNA of various species origin. Clinical Immunology and Immunopathology, 1989, 51, 362-371.	2.1	32
373	Lack of evidence for a role of T-cell-associated retroviruses as an etiology of schizophrenia. Biological Psychiatry, 1989, 25, 421-430.	0.7	15
374	Demethylation of the Gene Expressing a Yolk Protein Precursor in Quail. Poultry Science, 1989, 68, 1678-1687.	1.5	2
375	Base methylation and local DNA helix stability. Journal of Molecular Biology, 1989, 205, 593-602.	2.0	40
376	Transcriptional regulation and DNA methylation of nuclear genes for photosynthesis in nongreen plant cells Proceedings of the National Academy of Sciences of the United States of America, 1989, 86, 7919-7923.	3.3	27
377	Illegitimate transcription: transcription of any gene in any cell type Proceedings of the National Academy of Sciences of the United States of America, 1989, 86, 2617-2621.	3.3	627
378	DNA methylation patterns associated with asparagine synthetase expression in asparagine-overproducing and -auxotrophic cells Molecular and Cellular Biology, 1989, 9, 2922-2927.	1.1	22
379	Hormonal regulation of phosphoenolpyruvate carboxykinase gene expression is mediated through modulation of an already disrupted chromatin structure Molecular and Cellular Biology, 1989, 9, 1289-1297.	1.1	49
380	Genomic sequencing reveals a 5-methylcytosine-free domain in active promoters and the spreading of preimposed methylation patterns Proceedings of the National Academy of Sciences of the United States of America, 1989, 86, 3728-3732.	3.3	126
381	Gene structure and transcription in mouse cells with extensively demethylated DNA Molecular and Cellular Biology, 1989, 9, 885-892.	1.1	50
382	Major histocompatibility complex class I genes in murine fibrosarcoma IC9 are down regulated at the level of the chromatin structure Molecular and Cellular Biology, 1989, 9, 3136-3142.	1.1	23
383	Age-Related Changes in DNA Methylation: Do They Represent Continued Developmental Changes?. International Review of Cytology, 1989, 114, 181-220.	6.2	31
384	Genetic regulation of Î ² 2-adrenergic receptors in 3T3-L1 fibroblasts. Biochemical Journal, 1989, 260, 53-59.	1.7	55

#	Article	IF	CITATIONS
385	Evidence for salt-associated restriction pattern modifications in the archaeobacterium Haloferax mediterranei. Journal of Bacteriology, 1990, 172, 7278-7281.	1.0	20
386	Transcriptional regulation in mammalian cells Nippon Nogeikagaku Kaishi, 1990, 64, 918-920.	0.0	1
387	Hemimethylation of DNA prevents chromatin expression Proceedings of the National Academy of Sciences of the United States of America, 1990, 87, 1691-1695.	3.3	20
388	Regulation of mRNA abundance in activated T lymphocytes: identification of mRNA species affected by the inhibition of protein synthesis Proceedings of the National Academy of Sciences of the United States of America, 1990, 87, 1753-1757.	3.3	35
390	Methylation of chick UbI and UbII polyubiquitin genes and their differential expression during spermatogenesis. Biochemical Journal, 1990, 267, 821-829.	1.7	12
391	Chapter 10 Naturally Occurring Modified Nucleosides in DNA. Journal of Chromatography Library, 1990, 45, B327-B362.	0.1	2
392	Inactivation of the HIV LTR by DNA CpG methylation: evidence for a role in latency EMBO Journal, 1990, 9, 1157-1164.	3.5	135
393	Correlation of Tissue-specific Methylation with Gene Inactivity in Hepatitis B Virus Transgenic Mice. Japanese Journal of Cancer Research, 1990, 81, 1265-1271.	1.7	10
394	Different methylation of oestrogen receptor DNA in human breast carcinomas with and without oestrogen receptor. British Journal of Cancer, 1990, 61, 270-275.	2.9	42
395	2-Aminobenzamide, an inhibitor of ADP-ribosylation, antagonizes induced DNA hypomethylation during differentiation of murine Friend erythroleukemia cells by N′-methylnicotinamide. Differentiation, 1990, 44, 69-73.	1.0	3
396	A factor known to bind to the endogenous Ig heavy chain enhancer only in lymphocytes is a ubiquitously active transcription factor. FEBS Journal, 1990, 187, 507-513.	0.2	4
397	Immunohistochemical and Ultrastructural Localization of Epidermal Growth Factor Receptor in Human Liver and Hepatocellular Carcinoma Tissues. Pathology International, 1990, 40, 22-29.	0.6	7
398	Polysomy of chromosome 7 is associated with amplification and overexpression of the EGFâ€receptor gene in a human carcinoma cell line derived from a brain metastasis. Apmis, 1990, 98, 996-1004.	0.9	9
399	METHYLATION PATTERN OF THE HLA-DR? GENE IN HUMAN TISSUES. International Journal of Immunogenetics, 1990, 17, 51-66.	1.2	7
400	INACTIVATION OF THE H-2K1kGENE COULD INVOLVE THE SUBSTITUTIONS OF METHYLATED CpGs. International Journal of Immunogenetics, 1990, 17, 133-150.	1.2	5
401	Transcriptional regulation of HLA class-II genes. Immunologic Research, 1990, 9, 164-177.	1.3	27
402	Differentiation of metaxylem cell line in the root of Allium cepa L Protoplasma, 1990, 158, 149-154.	1.0	2
403	Nuclease sensitivity of estradiol-charged estrogen receptor binding sites in nuclei isolated from normal and neoplastic rat mammary tissues. The Journal of Steroid Biochemistry, 1990, 36, 7-14.	1.3	О

#	Article	IF	CITATIONS
404	Resistance to alkylation damage in Escherichia coli: Role of the Ada protein in induction of the adaptive response. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1990, 233, 53-72.	0.4	48
405	Epigenetic changes in the expression of the maize A1 gene inPetunia hybrida: Role of numbers of integrated gene copies and state of methylation. Molecular Genetics and Genomics, 1990, 222, 329-336.	2.4	262
406	Molecular changes in protoplast-derived rice plants. Molecular Genetics and Genomics, 1990, 223, 324-328.	2.4	62
407	Unmethylated regions in the intergenic spacer of maize and teosinte ribosomal RNA genes. Plant Molecular Biology, 1990, 14, 333-347.	2.0	18
408	Effect of prolactin on DNA methylation in the liver and kidney of rat. Molecular and Cellular Biochemistry, 1990, 95, 43-7.	1.4	14
409	Poly[d(Gm5C)·d(Gm5C)] can assume the Z′ form: A CD study. Biopolymers, 1990, 30, 821-828.	1.2	12
410	Evidence for impaired t cell dna methylation in systemic lupus erythematosus and rheumatoid arthritis. Arthritis and Rheumatism, 1990, 33, 1665-1673.	6.7	536
411	Mismatch repair in mammalian cells. BioEssays, 1990, 12, 473-477.	1.2	19
412	Protective methylation of immunoglobulin and T cell receptor (TcR) gene loci prior to induction of class switch and TcR recombination. European Journal of Immunology, 1990, 20, 2285-2291.	1.6	38
413	CpG methylation of viral DNA in EBV-associated tumours. International Journal of Cancer, 1990, 45, 1125-1130.	2.3	32
414	Infection of rat liver epithelial cells with v-Ha-ras: Correlation between oncogene expression, gap junctional communication, and tumorigenicity. Molecular Carcinogenesis, 1990, 3, 54-67.	1.3	62
415	Effect of 5-azacytidine on metallothionein inducibility and sensitivity to lethality of cadmium in rat osteosarcoma (ROS 172.8) cells. Toxicology, 1990, 65, 169-178.	2.0	11
416	DNA methylation is a determinative element of photosynthesis gene expression in amyloplasts from liquid-cultured cells of sycamore (Acer pseudoplatanus L.) Cell Structure and Function, 1990, 15, 285-293.	0.5	21
417	[47] Analysis of 5-methylcytosine in DNA by isotope dilution gas chromatography—mass spectrometry. Methods in Enzymology, 1990, 193, 857-865.	0.4	12
418	Clonal Origin of Pituitary Adenomas*. Journal of Clinical Endocrinology and Metabolism, 1990, 71, 1427-1433.	1.8	550
420	<i>Cis</i> Modification of the Steroid 21-Hydroxylase Gene Prevents Its Expression in the Y1 Mouse Adrenocortical Tumor Cell Line. Molecular Endocrinology, 1990, 4, 1144-1152.	3.7	66
421	The Role of Dna Methylation in Cancer. Advances in Cancer Research, 1990, 54, 1-23.	1.9	206
422	5-Azacytidine-induced reactivation of the human X chromosome-linked PGK1 gene is associated with a large region of cytosine demethylation in the 5' CpG island Proceedings of the National Academy of Sciences of the United States of America, 1990, 87, 4174-4178.	3.3	74

#	ARTICLE	IF	Citations
423	Polymerase chain reaction-aided genomic sequencing of an X chromosome-linked CpG island: methylation patterns suggest clonal inheritance, CpG site autonomy, and an explanation of activity state stability Proceedings of the National Academy of Sciences of the United States of America, 1990, 87, 8252-8256.	3.3	258
424	Analysis of substrate specificity of thePaeR7 endonuclease: effect of base methylation on the kinetics of cleavage. Nucleic Acids Research, 1990, 18, 5063-5068.	6.5	15
425	5-Methylcytosine as an endogenous mutagen in the human LDL receptor and p53 genes. Science, 1990, 249, 1288-1290.	6.0	625
426	Methylation patterns at the hypervariable X-chromosome locus DXS255 (M27 \hat{l}^2): Correlation with X-inactivation status. Genomics, 1990, 7, 182-187.	1.3	128
427	Inducible Expression of Herpes Simplex Virus Type 1 Glycoprotein C in NIH 3T3 Cells. Zentralblatt Fur Bakteriologie: International Journal of Medical Microbiology, 1990, 274, 426-432.	0.5	0
428	Programming of the macronucleus of Paramecium during asexual and sexual reproduction: A further study with cytidine analogues, dimethylsulfoxide, L-ethionine and N-butyric acid. European Journal of Protistology, 1990, 26, 25-36.	0.5	3
429	The significance of DNA methylation patterns: promoter inhibition by sequence-specific methylation is one functional consequence. Philosophical Transactions of the Royal Society of London Series B, Biological Sciences, 1990, 326, 253-265.	2.4	22
430	DNA methylation and specific protein—DNA interactions. Philosophical Transactions of the Royal Society of London Series B, Biological Sciences, 1990, 326, 267-275.	2.4	20
431	Changes in DNA methylation during mouse embryonic development in relation to X-chromosome activity and imprinting. Philosophical Transactions of the Royal Society of London Series B, Biological Sciences, 1990, 326, 299-312.	2.4	90
432	Developmental consequences of imprinting of parental chromosomes by DNA methylation. Philosophical Transactions of the Royal Society of London Series B, Biological Sciences, 1990, 326, 313-327.	2.4	75
433	Establishment of de novo DNA methylation patterns. Journal of Molecular Biology, 1990, 214, 673-683.	2.0	136
434	High levels of De Novo methylation and altered chromatin structure at CpG islands in cell lines. Cell, 1990, 62, 503-514.	13.5	671
435	Transcription inhibition of SV40 by in vitro DNA methylation. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1990, 1087, 323-329.	2.4	10
436	Molecular characterization of the Spirometra mansonoides genome: Renaturation kinetics, methylation, and hybridization to human cDNA probes. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1990, 1049, 134-144.	2.4	3
437	Employment of hydrolytic enzymes in the study of the level of DNA methylation. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1990, 1049, 293-297.	2.4	34
438	Effects of sodium butyrate and 5-azacytidine on DNA methylation in human tumor cell lines: Variable response to drug treatment and withdrawal. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1990, 1087, 80-86.	2.4	27
439	Changes in a repetitive DNA sequence during callus culture of Cucumis melo. Plant Science, 1990, 72, 81-91.	1.7	9
440	Interindividual concordance of methylation profiles in human genes for tumor necrosis factors alpha and beta Proceedings of the National Academy of Sciences of the United States of America, 1990, 87, 8830-8834.	3 . 3	94

#	Article	IF	Citations
441	Differential regulation of DNS methylation in rat testis and its regulation by gonadotropic hormones. The Journal of Steroid Biochemistry, 1990, 35, 173-178.	1.3	9
442	DNA methylation inTrypanosoma cruzi. FEBS Letters, 1990, 263, 113-116.	1.3	20
443	DNA methylation inhibits transcription by RNA polymerase III of a tRNA gene, but not of a 5S rRNA gene. FEBS Letters, 1990, 269, 358-362.	1.3	45
444	Eukaryotic DNA methylation: facts and problems. FEBS Letters, 1990, 268, 329-333.	1.3	58
445	Study of the Alzheimer's A4 precursor gene promoter region by genomic sequencing using taq polymerase. Biochemical and Biophysical Research Communications, 1990, 169, 46-50.	1.0	19
446	Transcription of HIV1 is inhibited by DNA methylation. Biochemical and Biophysical Research Communications, 1990, 168, 141-147.	1.0	38
447	Interaction of 5-azacytidine and dexamethasone in the control of hepatic tyrosine aminotransferase. Advances in Enzyme Regulation, 1991, 31, 247-258.	2.9	0
448	Physiology and Cell Biology Update: Mechanisms of Type IV Collagen Gene Regulation. American Journal of Kidney Diseases, 1991, 18, 134-139.	2.1	2
449	DNA methylation and cellular ageing. Mutation Research - DNAging, 1991, 256, 283-293.	3.3	42
450	Patterns of DNA methylation are indistinguishable in different individuals over a wide range of human DNA sequences. Genomics, 1991, 11, 1-7.	1.3	39
451	Biochemical mechanisms by which reutilization of DNA 5-methylcytosine is prevented in human cells. Mutation Research - DNAging, 1991, 256, 29-35.	3.3	13
452	5-Azacytidine-Removal of the Dark Repression in Plastid Development of Euglena gracilis Klebs. Journal of Plant Physiology, 1991, 137, 723-728.	1.6	8
453	Gene Amplification and Insecticide Resistance. Annual Review of Entomology, 1991, 36, 1-21.	5.7	217
454	Transitory DNA hypomethylation during liver cell proliferation induced by a single dose of lead nitrate. Archives of Biochemistry and Biophysics, 1991, 286, 212-216.	1.4	19
455	Oxidative stress: From basic research to clinical application. American Journal of Medicine, 1991, 91, S31-S38.	0.6	950
456	Transgenic mice mimic the methylation pattern of the human HLA-DRα gene. Biochemical and Biophysical Research Communications, 1991, 175, 459-466.	1.0	6
457	Tissue-specific methylation in the 5′ flanking region of the gamma-glutamyl transpeptidase gene. Biochemical and Biophysical Research Communications, 1991, 177, 229-234.	1.0	6
458	Interference with protein binding at AP2 sites by sequence-specific methylation in the late E2A promoter of adenovirus type 2 DNA. FEBS Letters, 1991, 281, 191-195.	1.3	27

#	Article	IF	CITATIONS
459	After microinjection hemimethylated DNA is converted into symmetrically methylated DNA before DNA replication. FEBS Letters, 1991, 283, 247-250.	1.3	9
460	Relationship between DNA methylation and cell proliferation in Trypanosoma cruzi. FEBS Letters, 1991, 295, 31-34.	1.3	11
461	Exposure of pancreatic islets to different alkylating agents decreases mitochondrial DNA content but only streptozotocin induces long-lasting functional impairment of B-cells. Biochemical Pharmacology, 1991, 42, 2275-2282.	2.0	38
462	Site-specific hypomethylation of c-myc protooncogene in liver nodules and inhibition of DNA methylation by N-nitrosomorpholine. Biochemical Pharmacology, 1991, 42, 365-371.	2.0	15
463	Histones and DNA methylation in mammalian chromatin. Differential inhibition by histone H1. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1991, 1090, 38-42.	2.4	12
464	Methylation of DNA in the chloroplasts and amyloplasts of the pea, Pisum sativum. Plant Science, 1991, 78, 33-42.	1.7	21
465	In vivo mapping of a DNA adduct at nucleotide resolution: detection of pyrimidine (6-4) pyrimidone photoproducts by ligation-mediated polymerase chain reaction Proceedings of the National Academy of Sciences of the United States of America, 1991, 88, 1374-1378.	3.3	185
466	Post culture behavior: genetic and epigenetic effects and related problems., 1991,, 95-121.		16
467	Changes of DNA methylation and chromatin structure in the human myeloperoxidase gene during myeloid differentiation. Blood, 1991, 78, 345-356.	0.6	89
468	Apoptosis: mode of cell death induced in T cell leukemia lines by dexamethasone and other agents. FASEB Journal, 1991, 5, 211-216.	0.2	122
469	Analysis of CpG methylation and genomic footprinting at the tyrosine aminotransferase gene: DNA methylation alone is not sufficient to prevent protein binding in vivo EMBO Journal, 1991, 10, 2559-2567.	3.5	87
470	Influence of genome imprinting on gene expression, phenotypic variations and development. Human Reproduction, 1991, 6, 45-51.	0.4	19
471	Nucleoside salvage and resistance to antimetabolite anticancer agents. British Journal of Cancer, 1991, 64, 428-436.	2.9	31
472	Retrovirus-induced interference with collagen I gene expression in Mov13 fibroblasts is maintained in the absence of DNA methylation Molecular and Cellular Biology, 1991, 11, 47-54.	1.1	21
473	Retroviral insertions 90 kilobases proximal to the Evi-1 myeloid transforming gene activate transcription from the normal promoter Molecular and Cellular Biology, 1991, 11, 1820-1828.	1.1	85
474	Two-dimensional NMR studies of the conformational B â†' Z transition in the oligodeoxynucleotides d(CG)8and d(m5CG)8. Molecular Physics, 1991, 74, 293-306.	0.8	0
475	DNA methylase from Pisum sativum. Biochemical Journal, 1991, 273, 469-475.	1.7	21
476	Binding of the transcription factor EBP-80 mediates the methylation response of an intracisternal A-particle long terminal repeat promoter Molecular and Cellular Biology, 1991, 11, 117-125.	1.1	44

#	Article	IF	CITATIONS
477	Abortive Infection and Malignant Transformation by Adenoviruses: Integration of Viral Dna and Control of Viral Gene Expression by Specific Patterns of DNA Methylation. Advances in Virus Research, 1991, 39, 89-128.	0.9	52
478	The response of B cells in spleen, Peyer's patches, and lymph nodes to LPS and IL-4. Cellular Immunology, 1991, 138, 35-43.	1.4	8
479	Effects of 5-azacytidine on transformation and gene expression inNicotiana tabacum. In Vitro Cellular and Developmental Biology - Plant, 1991, 27, 77-83.	0.9	9
480	Mutations and epimutations in mammalian cells. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1991, 250, 351-363.	0.4	83
481	Genomic organization and expression of endogenous retrovirus-like elements in cultured rodent cells. Biologicals, 1991, 19, 1-7.	0.5	13
482	Transcriptional block of HTLV-I LTR by sequence-specific methylation. Virology, 1991, 182, 68-75.	1.1	30
483	Development of RFLP Markers for Barley. Plant Breeding, 1991, 107, 73-76.	1.0	22
484	Methylation and Expression of Human Pepsinogen Genes in Normal Tissues and Their Alteration in Stomach Cancer. Japanese Journal of Cancer Research, 1991, 82, 686-692.	1.7	18
485	Structure of 5-methylcytidine. Acta Crystallographica Section C: Crystal Structure Communications, 1991, 47, 1445-1448.	0.4	2
486	Structure of 3-methoxytyramine hydrochloride. Acta Crystallographica Section C: Crystal Structure Communications, 1991, 47, 1448-1450.	0.4	1
487	Variable methylation and differential replication of genomic DNA in cultured carrot root expiants during growth induction as influenced by hormonal treatments. Theoretical and Applied Genetics, 1991, 82, 283-288.	1.8	23
488	Counterselection of GATC sequences in enterobacteriophages by the components of the methyl-directed mismatch repair system. Journal of Molecular Evolution, 1991, 33, 125-132.	0.8	27
489	Modulation of cytosine arabinoside-induced proliferation inhibition by exogenous adenosylmethionine. Cancer Chemotherapy and Pharmacology, 1991, 28, 484-486.	1.1	0
490	The role of free radical scavengers, inhibitors of prostaglandin synthesis, and hypomethylating agents in reactivation of latent herpes simplex virus. Medical Microbiology and Immunology, 1991, 180, 249-59.	2.6	3
491	Inheritance of ribosomal gene activity and level of DNA methylation of individual gene clusters in a three generation family. Human Genetics, 1991, 88, 146-152.	1.8	24
492	Cloning of the inhibin/activin \hat{l}^2B subunit gene from the Booroola Merino sheep. Journal of Molecular Endocrinology, 1991, 6, 87-93.	1.1	21
493	Persistence or loss of preimposed nethylation patterns and denovomethylation of foreign DNA integrated in transgenic mice. Nucleic Acids Research, 1991, 19, 7131-7137.	6.5	26
494	Differential expression of Epstein Barr viral transcripts for two proteins (TP1 and LMP) in lymphocyte and epithelial cells. Nucleic Acids Research, 1991, 19, 2435-2440.	6.5	43

#	Article	IF	CITATIONS
495	DNA methylation patterns of the rat gamma-glutamyl transpeptidase gene in embryonic, adult and neoplastic liver. Carcinogenesis, 1991, 12, 1035-1040.	1.3	12
496	Role of oxygen free radicals in the molecular mechanisms of carcinogenesis: A reviewâ ⁻ . Journal of Environmental Science and Health, Part C: Environmental Carcinogenesis and Ecotoxicology Reviews, 1991, 9, 83-112.	2.9	24
497	Specific Levels of DNA Methylation in Various Tissues, Cell Lines, and Cell Types of Daucus carota. Plant Physiology, 1991, 95, 174-178.	2.3	45
498	DNA Methylation and Expression of the Genes Coding for Lactate Dehydrogenases A and C during Rodent Spermatogenesis1. Biology of Reproduction, 1991, 44, 527-535.	1.2	52
499	Prolactin-Deficient GH ₃ B3 Cells Are Defective in the Utilization of the Endogenous Prolactin Promoter Yet Are Fully Competent to Initiate Transcription from a Transfected Prolactin Promoter. DNA and Cell Biology, 1991, 10, 105-112.	0.9	4
501	The interplay of ubiquitous DNA-binding factors, availability of binding sites in the chromatin, and DNA methylation in the differential regulation of phosphoenolpyruvate carboxykinase gene expression. Nucleic Acids Research, 1991, 19, 4681-4688.	6.5	13
502	Host cell phenotype-dependent methylation patterns of Epstein-Barr virus DNA. Journal of General Virology, 1991, 72, 1591-1599.	1.3	63
503	Effects of 5-Azacytidine(5-AzC), 5-Bromodeoxyuridine(BrdU) and Diethyldithiocarbamate (DEDTC) on Diethylnitrosamine (DEN)-Induced Carcinogenesis in Rats., 1991,, 579-586.		1
504	The involvement of demethylation in the myeloid-specific function of the mouse M lysozyme gene downstream enhancer. Nucleic Acids Research, 1992, 20, 1925-1932.	6.5	29
505	RNA polymerase III-transcribed EBER 1 and 2 transcription units are expressed and hypomethylated in the major Epstein-Barr virus-carrying cell types. Journal of General Virology, 1992, 73, 1687-1692.	1.3	50
506	Resistance to Interferon- $\hat{l}\pm$ in a Mouse B-Cell Lymphoma Involves DNA Methylation. Journal of Interferon Research, 1992, 12, 131-137.	1.2	11
507	DNA methylation pattern changes during development of a sea urchin. Biochemical Journal, 1992, 283, 751-753.	1.7	21
508	Genomic targeting with a positive-selection lox integration vector allows highly reproducible gene expression in mammalian cells Proceedings of the National Academy of Sciences of the United States of America, 1992, 89, 7905-7909.	3.3	208
509	Linked spontaneous CGTA mutations at CpG sites in the gene for protein kinase regulatory subunit Molecular and Cellular Biology, 1992, 12, 767-772.	1.1	22
510	Genomic differences between O6-methylguanine-DNA methyltransferase proficient (Mex+) and deficient (Mexâ") cell lines: Possible role of genetic and epigenetic changes in conversion of Mex+ into Mexâ". Biochemical and Biophysical Research Communications, 1992, 183, 1184-1190.	1.0	16
511	Demethylation of the constant region genes of immunoglobulins reflects the differentiation state of the B cell. Molecular Immunology, 1992, 29, 1105-1112.	1.0	11
512	Alterations in the levels of expression of specific cellular genes in adenovirus-infected and -transformed cells. Virus Research, 1992, 26, 71-90.	1.1	15
513	DNA methylation: eukaryotic defense against the transcription of foreign genes?. Microbial Pathogenesis, 1992, 12, 1-8.	1.3	20

#	Article	IF	CITATIONS
514	Transcription of the single actin gene of Candida albicans during the yeast-to-mycelium conversion. Experimental Mycology, 1992, 16, 155-162.	1.8	19
515	Achievement of complete Bacillus subtilis microcycle sporulation by the addition of S-adenosylmethionine and phospholipids. Biochimie, 1992, 74, 749-754.	1.3	4
516	Cytosine methylation can induce local distortions in the structure of duplex DNA. Biochemistry, 1992, 31, 7595-7599.	1.2	64
517	PROGRAMMED CELL DEATH: CONCEPT, MECHANISM AND CONTROL. Biological Reviews, 1992, 67, 287-319.	4.7	117
518	Chromatin reconstitution on small DNA rings. Journal of Molecular Biology, 1992, 224, 981-1001.	2.0	42
519	Regulated Expression of Human Immunodeficiency Virus Type 1 in Human Glial Cells: Induction of Dormant Virus. Pathobiology, 1992, 60, 195-205.	1.9	35
520	The human CD34 hematopoietic stem cell antigen promoter and a 3' enhancer direct hematopoietic expression in tissue culture. Blood, 1992, 80, 3051-3059.	0.6	42
521	A switch toward demethylation is associated with the expression of myeloperoxidase in acute myeloblastic and promyelocytic leukemias. Blood, 1992, 80, 2066-2073.	0.6	35
522	High frequency, heat treatment-induced inactivation of the phosphinothricin resistance gene in transgenic single cell suspension cultures of Medicago sativa. Molecular Genetics and Genomics, 1992, 235, 189-196.	2.4	47
523	Evolution of the primate ?-Globin gene region: Nucleotide sequence of the ?-?-globin Intergenic region of gorilla and phylogenetic relationships between African Apes and Man. Journal of Molecular Evolution, 1992, 34, 17-30.	0.8	33
524	Petunia plants escape from negative selection against a transgene by silencing the foreign DNA via methylation. Molecular Genetics and Genomics, 1992, 233, 53-64.	2.4	55
525	Parental origin of chromosomes involved in the translocation t(9;22). Nature, 1992, 359, 414-416.	13.7	87
526	Quelling: transient inactivation of gene expression in Neurospora crassa by transformation with homologous sequences. Molecular Microbiology, 1992, 6, 3343-3353.	1.2	709
527	The biology of colorectal carcinoma. Current Problems in Cancer, 1992, 16, 265-328.	1.0	10
528	Ising model forB-Z transition in supercoiled DNA. Bulletin of Mathematical Biology, 1992, 54, 727-732.	0.9	2
529	Regulation of C-FOS and ornithine decarboxylase mRNA levels by estrogen and 5-azacytidine. In Vitro Cellular & Developmental Biology, 1992, 28, 75-76.	1.0	3
530	Induced crossing-over in Drosophila melanogaster germ cells of DNA repair-proficient and repair-deficient (mei-9L1) males following larval feeding with 5-azacytidine and mitomycin C. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1992, 266, 93-98.	0.4	6
531	Stress factors affecting expression of O6-methylguanine-DNA methyltransferase mRNA in rat hepatoma cells. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1992, 1171, 35-40.	2.4	31

#	Article	IF	CITATIONS
532	Historical perspective of molecular biology and the role of the cardiologist. Current Problems in Cardiology, 1992, 17, 9-72.	1.1	1
533	Detection of a CpA methylase in an insect system: characterization and substrate specificity. Molecular and Cellular Biochemistry, 1992, 110, 103-111.	1.4	19
534	The influence of energy restriction and developmental state on DNA 5-methyldeoxycytidine in rat mammary and liver tissues. Journal of Nutritional Biochemistry, 1992, 3, 640-643.	1.9	0
535	Chicken Vigilin Gene organization and expression pattern. The domain structure of the protein is reflected by the exon structure. FEBS Journal, 1992, 209, 321-328.	0.2	13
536	Phenotypic and functional similarities between 5-azacytidine-treated t cells and a t cell subset in patients with active systemic lupus erythematosus. Arthritis and Rheumatism, 1992, 35, 647-662.	6.7	173
537	Wilms' tumor-specific methylation pattern in $11\mathrm{p}13$ detected by PFGE. Genes Chromosomes and Cancer, 1992, 5, 132-140.	1.5	18
538	Enhancement of hepatitis-B surface-antigen expression by 5-azacytidine in a hepatitis-B-virus-transfected cell line. International Journal of Cancer, 1992, 52, 137-140.	2.3	10
539	Correlation between the size of the intergenic regulatory region, the status of cytosine methylation of rRNA genes and nucleolar expression in wheat. Molecular Genetics and Genomics, 1993, 236-236, 155-162.	2.4	88
540	Pulsed-field gel electrophoresis analysis of higher-order chromatin structures of Zea mays. Highly methylated DNA in the 50 kb chromatin structure. Plant Molecular Biology, 1993, 21, 847-857.	2.0	40
541	Inhibition of CpG methylation in linker DNA by H1 histone. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1993, 1173, 209-216.	2.4	6
542	A 500 MHz proton NMR study of the interaction of the tripeptide Lys-Tyr-Lys with the tetradeoxynucleotides d-CpCpGpG and d-CpGpCpG. Magnetic Resonance Materials in Physics, Biology, and Medicine, 1993, 1, 145-157.	1.1	0
543	Total DNA 5-methylcytosine level of rice calli derived from protoplasts is independent of regeneration ability. Journal of Plant Research, 1993, 106, 351-355.	1.2	0
544	The state of DNA methylation in the promoter and exon 1 regions of the human gene for the interleukin-2 receptor α chain (IL-2Rα) in various cell types. Human Molecular Genetics, 1993, 2, 993-999.	1.4	11
545	Methyl deficiency, DNA methylation, and cancer: Studies on the reversibility of the effects of a lipotrope-deficient dietâ [†] fâ [†] fa [†] t. Journal of Nutritional Biochemistry, 1993, 4, 672-680.	1.9	34
546	Organization and expression of the human gene for O6-methylguanine-DNA methyltransferase. Mutation Research DNA Repair, 1993, 293, 119-132.	3.8	46
547	Aging-related changes in IGF-II and c-fos gene expression in the rat brain. International Journal of Developmental Neuroscience, 1993, 11, 1-9.	0.7	64
548	A novel antiviral strategy for HIV infection. Medical Hypotheses, 1993, 40, 93-94.	0.8	4
549	Differences in the accessibility of methylated and unmethylated DNA to DNase I. Nucleic Acids Research, 1993, 21, 5843-5845.	6.5	21

#	Article	IF	CITATIONS
550	Epigenetic inheritance based on DNA methylation. , 1993, 64, 452-468.		28
551	Expression of DNA methyltransferase in LEC rats during hepatocarcinogenesis. Carcinogenesis, 1993, 14, 603-605.	1.3	12
552	Latency and reactivation of Marek's disease virus in B lymphocytes transformed by avian leukosis virus. Journal of General Virology, 1993, 74, 2163-2170.	1.3	19
553	Compensatory Renal Hypertrophy: Tubular Cell Growth and Transport Studied in Primary Culture. Nephron, 1993, 64, 615-620.	0.9	18
554	CpG island mapping of a mouse double-minute chromosome Molecular and Cellular Biology, 1993, 13, 4459-4464.	1.1	9
555	DNA methylation in the Alu sequences of diploid and haploid primary human cells EMBO Journal, 1993, 12, 1141-1151.	3. 5	154
556	Detection of Methylated Mushroom DNA by Restriction Enzyme Analysis. Mycologia, 1993, 85, 585-591.	0.8	2
557	Molecular Biology of Neoplastic Transformation of the Large Bowel: Identification of Two Etiologic Pathways. Surgical Oncology Clinics of North America, 1994, 3, 449-477.	0.6	8
558	Evidence for cytosine methylation of non-symmetrical sequences in transgenic Petunia hybrida EMBO Journal, 1994, 13, 2084-2088.	3.5	173
559	Are there two DNA methyltransferase gene families in plant cells? A new potential methyltransferase gene isolated from anArabidopsis thalianagenomic library. Nucleic Acids Research, 1994, 22, 953-958.	6.5	11
560	lgf2r and lgf2 gene expression in androgenetic, gynogenetic, and parthenogenetic preimplantation mouse embryos: absence of regulation by genomic imprinting Genes and Development, 1994, 8, 290-299.	2.7	140
561	DNA and desiccation tolerance. Seed Science Research, 1994, 4, 175-185.	0.8	53
562	The topology of the promoter of RNA polymerase II- and III-transcribed genes is modified by the methylation of $5\hat{a}\in^2$ -CG- $3\hat{a}\in^2$ dinucleotides. Nucleic Acids Research, 1994, 22, 2568-2575.	6.5	23
563	Arsenic toxicity in humans: Research problems and prospects. Environmental Geochemistry and Health, 1994, 16-16, 107-111.	1.8	12
564	Variability in allelic DNA methylation in spermatozoa. Human Genetics, 1994, 94, 203-6.	1.8	3
565	Pattern and degree of methylation in ribosomal RNA genes of Cucurbita pepo L Plant Molecular Biology, 1994, 26, 1167-1179.	2.0	46
566	The methylation status of DNA derived from potato plants recovered from slow growth. Plant Cell, Tissue and Organ Culture, 1994, 37, 31-38.	1.2	49
567	Suppression of gene expression by homologous transgenes. Antonie Van Leeuwenhoek, 1994, 65, 205-209.	0.7	51

#	Article	IF	CITATIONS
568	Differentiation-specific demethylation of myelin associated glycoprotein gene in cultured oligodendrocytes. Journal of Neuroscience Research, 1994, 39, 233-242.	1.3	25
569	Genes and genomes: Sequencing 5-methylcytosine residues in genomic DNA. BioEssays, 1994, 16, 431-436.	1.2	50
570	Hypomethylated status, but not RAG-1, is required for T-cell receptor-Î ² -chain gene rearrangement in acute leukemia cells. Cancer Genetics and Cytogenetics, 1994, 78, 40-45.	1.0	10
571	RNA-directed de novo methylation of genomic sequences in plants. Cell, 1994, 76, 567-576.	13.5	855
572	The impact of 55â~Ì€G-3′ methylation on the activity of different eukaryotic promoters: A comparative study. FEBS Letters, 1994, 344, 251-254.	1.3	45
573	Nicotinamide methylation in patients with cirrhosis. Journal of Hepatology, 1994, 20, 138-142.	1.8	25
574	Viscum album preparations inhibit DNA methylation by preventing DNA methyltransferase-induced methyl group transfer. The British Homoeopathic Journal, 1994, 83, 205-208.	0.6	0
575	Regulation of Human Immunodeficiency Virus Infection: Implications For Pathogenesis. Advances in Virus Research, 1994, 43, 53-145.	0.9	61
576	5-Methyl-2'-deoxycytidine in single-stranded DNA can act in cis to signal de novo DNA methylation Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 7347-7351.	3.3	84
577	Antigen specificity in hydralazine associated ANCA positive systemic vasculitis. QJM - Monthly Journal of the Association of Physicians, 0, , .	0.2	22
578	Mechanistic and Developmental Aspects of Genetic Imprinting in Mammals. International Review of Cytology, 1995, 160, 53-98.	6.2	34
579	The Insertion of Foreign DNA Into Mammalian Genomes and Its Consequences: A Concept in Oncogenesis. Advances in Cancer Research, 1995, 66, 313-345.	1.9	49
580	Dinucleotide relative abundance extremes: a genomic signature. Trends in Genetics, 1995, 11, 283-290.	2.9	602
581	Epigenetic programming of differential gene expression in development and evolution. Genesis, 1995, 17, 188-197.	3.1	128
582	Developmental alteration of the chromatin state at promoter/replication origin region of the aldolase b locus precedes transcriptional activation in the liver. Genesis, 1995, 17, 312-318.	3.1	2
583	The evolution of small DNA viruses of eukaryotes: Past and present considerations. Virus Genes, 1995, 11, 239-257.	0.7	29
584	Intron-dependent transient expression of the maize GapA1 gene. Plant Molecular Biology, 1995, 28, 667-676.	2.0	43
585	Variation of transgene expression in plants. Euphytica, 1995, 85, 359-366.	0.6	56

#	Article	IF	CITATIONS
586	Inheritance of resistance to aBacillus thuringiensistoxin in a field population of diamondback moth (Plutella xylostella). Pest Management Science, 1995, 43, 115-120.	0.7	24
587	Gene methylation of oestrogen and epidermal growth factor receptors in neoplastic and perineoplastic breast tissues. British Journal of Cancer, 1995, 72, 973-975.	2.9	18
588	Selective recognition of the m5 CpG dinucleotide sequence in DNA by mitomycin C for alkylation and cross-linking. Bioorganic and Medicinal Chemistry, 1995, 3, 851-860.	1.4	40
589	Prevention of DNA 5-methylcytosine reutilization in human cells. Somatic Cell and Molecular Genetics, 1995, 21, 285-288.	0.7	6
590	Molecular Cloning of Mouse Tissue Inhibitor of Metalloproteinases-3 and Its Promoter. Journal of Biological Chemistry, 1995, 270, 19312-19319.	1.6	60
591	Plant Chromatin Structure and Post-Translational Modifications. Critical Reviews in Plant Sciences, 1995, 14, 299-328.	2.7	10
592	Treatment with Propionic and Butyric Acid Enhances Expression Variegation and Promoter Methylation in Plant Transgenes. Biological Chemistry Hoppe-Seyler, 1995, 376, 311-320.	1.4	19
593	CpG methylation represses the activity of the rat prolactin promoter in rat GH3 pituitary cell lines. Molecular and Cellular Endocrinology, 1995, 108, 95-105.	1.6	23
594	Transfer, methylation and spontaneous mutation frequency of $\hat{l} X174$ am3cs70 sequences in medaka (Oryzias latipes) and mummichog (Fundulus heteroclitus): Implications for gene transfer and environmental mutagenesis in aquatic species. Marine Environmental Research, 1995, 40, 247-265.	1,1	23
595	On the insertion of foreign DNA into mammalian genomes: Mechanism and consequences. Gene, 1995, 157, 241-245.	1.0	14
596	Sequencing of the rat light neurofilament promoter reveals differences in methylation between expressing and non-expressing cell lines, but not tissues. Gene, 1995, 157, 325-329.	1.0	6
597	Regulation of sex hormone-binding globulin production by isoflavonoids and patterns of isoflavonoid conjugation in HepG2 cell cultures. Steroids, 1995, 60, 656-661.	0.8	82
598	Transcriptional silencing of human Alu sequences and inhibition of protein binding in the box B regulatory elements by 5′-CG-3′ methylation. FEBS Letters, 1995, 360, 115-120.	1.3	30
599	Genomic sequencing reveals absence of DNA methylation in the major late promoter of adenovirus type 2 DNA in the virion and in productively infected cells. FEBS Letters, 1995, 362, 301-305.	1.3	20
600	Analytical Procedure for Determination of S-Adenosylmethionine, S-Adenosyl-Homocysteine, and S-Adenosylethionine in Same Isocratic HPLC Run, with a Procedure for Preparation and Analysis of the Analog S-Adenosylhomocysteine Sulfoxide. Journal of Liquid Chromatography and Related Technologies, 1995, 18, 2005-2017.	0.9	17
601	Changes in the methylation of amplified esterase DNA during loss and reselection of insecticide resistance in peach-potato aphids, Myzus persicae. Insect Biochemistry and Molecular Biology, 1996, 26, 41-47.	1.2	51
602	DNA methylation in the promoter of ribosomal RNA genes in human cells as determined by genomic sequencing. FEBS Letters, 1996, 388, 192-194.	1.3	9
603	Induction of murine erythroleukemia cell differentiation is associated with methylation and differential stability of poly(A)+ RNA transcripts. Biochimica Et Biophysica Acta - Molecular Cell Research, 1996, 1312, 8-20.	1.9	14

#	Article	IF	CITATIONS
604	Genomic methylation patterns of the Dunning R-3327 prostate adenocarcinoma system. Cancer Letters, 1996, 98, 213-218.	3.2	2
605	THE ROLE OF DNA METHYLATION IN CANCER GENETICS AND EPIGENETICS. Annual Review of Genetics, 1996, 30, 441-464.	3.2	455
606	Restriction Endonucleases and Modification Methylases. , 1996, , 233-306.		4
607	A new concept in (adenoviral) oncogenesis: integration of foreign DNA and its consequences. Biochimica Et Biophysica Acta: Reviews on Cancer, 1996, 1288, F79-F99.	3.3	23
608	Stability of transgene methylation patterns in mice: Position effects, strain specificity and cellular mosaicism. Transgenic Research, 1996, 5, 235-244.	1.3	32
609	Inactivation of hepatitis C virus cDNA transgene by hypermethylation in transgenic mice. Archives of Virology, 1996, 141, 951-958.	0.9	13
610	Genomic Organization and the $5\hat{a}\in^2$ Flanking Region of the \hat{l}^3 Subunit of the Human Amiloride-sensitive Epithelial Sodium Channel. Journal of Biological Chemistry, 1996, 271, 26062-26066.	1.6	50
611	Influence of Mouse-Strain-Specific Factors on Position-Dependent Transgene DNA Methylation Patterns. Acta Geneticae Medicae Et Gemellologiae, 1996, 45, 243-244.	0.2	0
612	Changes in methyl-sensitive restriction sites of liver DNA from hamsters chronically exposed to hydrazine sulfate. Carcinogenesis, 1996, 17, 2711-2717.	1.3	17
613	Imprinted Segments in the Human Genome: Different Dna Methylation Patterns in the Prader-Willi/Angelman Syndrome Region As Determined by the Genomic Sequencing Method. Human Molecular Genetics, 1997, 6, 387-395.	1.4	133
614	Lack of Detectable Major Histocompatibility Complex Class II A \hat{I}^2 -chain Messenger Ribonucleic Acid in Placentas of Interferon- \hat{I}^3 - and 5-azacytidine-treated Mice1. Biology of Reproduction, 1997, 57, 715-722.	1.2	15
615	Effect of in vitro promoter methylation and CGG repeat expansion on FMR- 1 expression. Nucleic Acids Research, 1997, 25, 2883-2887.	6.5	33
616	Structure and Expression of the Human SM22Â Gene, Assignment of the Gene to Chromosome 11, and Repression of the Promoter Activity by Cytosine DNA Methylation. Journal of Biochemistry, 1997, 122, 157-167.	0.9	31
617	Somatic Excision of the Ac Transposable Element in Transgenic Arabidopsis thaliana after 5-Azacytidine Treatment. Plant and Cell Physiology, 1997, 38, 336-343.	1.5	17
618	Protein methylation in cellular proliferation and differentiation: non-histone nuclear methyl acceptor protein(s) during 3'-methyl-4-dimethylaminoazobenzene-induced hepatocarcinogenesis. Experimental and Molecular Medicine, 1997, 29, 35-43.	3.2	1
619	Stimulation of Plastidogenesis Induced by 5â€Azacytidine in <i>Euglena gracilis</i> Klebs. Botanica Acta, 1997, 110, 91-100.	1.6	5
620	Effect of Temperature on the Stability of Association of Pyrimidine Bases with Serum Albumin: Proton NMR Study. Applied Spectroscopy, 1997, 51, 428-432.	1.2	9
621	Foreign (M13) DNA ingested by mice reaches peripheral leukocytes, spleen, and liver via the intestinal wall mucosa and can be covalently linked to mouse DNA. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 961-966.	3.3	266

#	Article	IF	CITATIONS
622	The human lysozyme gene undergoes stepwise demethylation during phagocyte maturation. Leukemia, 1997, 11, 990-997.	3.3	16
623	5-Azacytidine induces toxicity in PC12 cells by apoptosis. Experimental and Toxicologic Pathology, 1997, 49, 201-206.	2.1	20
624	Integration of foreign DNA and its consequences in mammalian systems. Trends in Biotechnology, 1997, 15, 297-301.	4.9	58
625	Methylation of cytosines in nonconventional methylation acceptor sites can contribute to reduced gene expression. Molecular Genetics and Genomics, 1997, 253, 581-588.	2.4	22
626	Differences in DNA methylation patterns are detectable during the dimorphic transition of fungi by amplification of restriction polymorphisms. Molecular Genetics and Genomics, 1997, 253, 703-710.	2.4	368
627	Involvement of DNA methylation in the control of the expression of an estrogen-induced breast-cancer-associated protein (pS2) in human breast cancers. Journal of Cellular Biochemistry, 1997, 65, 95-106.	1.2	38
628	LEC rats: An overview of recent findings. Journal of Trace Elements in Experimental Medicine, 1997, 10, 135-145.	0.8	11
629	EcoR II is an Unreliable Enzyme for Studies of CpNpG Methylation in shape Arabidopsis thaliana. Plant Molecular Biology Reporter, 1998, 16, 19-32.	1.0	1
630	A 5′-CG-3′-rich region in the promoter of the transcriptionally frequently silenced RET protooncogene lacks methylated cytidine residues. Oncogene, 1998, 17, 2573-2583.	2.6	48
631	Foreign DNA in mammalian systems. Apmis, 1998, 106, 62-68.	0.9	25
632	Isolation of an Alu repetitive DNA binding protein and effect of CpG methylation on binding to its recognition sequence. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1998, 1396, 67-87.	2.4	24
633	Genetics and developmental delay. Seminars in Pediatric Neurology, 1998, 5, 39-44.	1.0	0
634	MODULATION OF OSTEOGENIC DIFFERENTIATION IN HUMAN SKELETAL CELLSIN VITROBY 5-AZACYTIDINE. Cell Biology International, 1998, 22, 207-215.	1.4	32
635	Effects of compensatory growth on the expression of milk protein gene and biochemical changes of the mammary gland in Holstein cows. Journal of Nutritional Biochemistry, 1998, 9, 380-387.	1.9	15
636	Multiple control elements are required for expression of the human CD34 gene. Gene, 1998, 222, 305-318.	1.0	26
637	Differential Chromosome Sensitivity to 5-Azacytidine in Alzheimer's Disease. Gerontology, 1998, 44, 267-271.	1.4	20
638	Increased Expression of Rat Ribosomal Protein L4 mRNA in 5-Azacytidine-Treated PC12 Cells Prior to Apoptosis. Biochemical and Biophysical Research Communications, 1998, 252, 220-224.	1.0	9
639	Lipotrope deficiency inhibits cell growth and induces programmed cell death in human breast cancer cell line MCFâ€7. Nutrition and Cancer, 1998, 32, 13-19.	0.9	6

#	Article	IF	CITATIONS
640	COMPARATIVE DNA ANALYSIS ACROSS DIVERSE GENOMES. Annual Review of Genetics, 1998, 32, 185-225.	3.2	337
641	Induction of Transforming Growth Factor-β Receptor Type II Expression in Estrogen Receptor-positive Breast Cancer Cells through SP1 Activation by 5-Aza-2′-deoxycytidine. Journal of Biological Chemistry, 1998, 273, 16527-16534.	1.6	57
642	Somaclonal Variation and Induced Mutations in Crop Improvement. Current Plant Science and Biotechnology in Agriculture, 1998, , .	0.0	56
643	A comparison of DNA methylation levels in selected isolates of higher fungi. Mycologia, 1998, 90, 785-790.	0.8	20
644	Environmentally induced autoimmune diseases: potential mechanisms Environmental Health Perspectives, 1999, 107, 737-742.	2.8	48
645	Insertion of Foreign DNA into an Established Mammalian Genome Can Alter the Methylation of Cellular DNA Sequences. Journal of Virology, 1999, 73, 1010-1022.	1.5	110
646	Factors Affecting de Novo Methylation of Foreign DNA in Mouse Embryonic Stem Cells. Journal of Biological Chemistry, 1999, 274, 24232-24240.	1.6	37
647	Synthesis of 5-substituted 2'-deoxycytidine 5'-(Â-P-borano)triphosphates, their incorporation into DNA and effects on exonuclease. Nucleic Acids Research, 1999, 27, 1788-1794.	6.5	38
648	Cytosine Methylation in a CpG Sequence Leads to Enhanced Reactivity with Benzo[a]pyrene Diol Epoxide That Correlates with a Conformational Change. Journal of Biological Chemistry, 1999, 274, 23948-23955.	1.6	61
649	Hypomethylation of the proximal and intronic regulatory regions of the IFN-γ gene is not essential for its transcription by naive CD4+ T cells cultured with IL-4. Immunology Letters, 1999, 69, 239-245.	1.1	5
650	Conversion of AFLP markers to sequence-specific PCR markers in barley and wheat. Theoretical and Applied Genetics, 1999, 98, 1072-1078.	1.8	133
651	Demethylation of the Epstein-Barr virus origin of lytic replication and of the immediate early gene BZLF1 is DNA replication independent. Archives of Virology, 1999, 144, 2219-2227.	0.9	14
652	Patterns of cytosine methylation in an elite rice hybrid and its parental lines, detected by a methylation-sensitive amplification polymorphism technique. Molecular Genetics and Genomics, 1999, 261, 439-446.	2.4	456
653	Environmentally Induced Autoimmune Diseases: Potential Mechanisms. Environmental Health Perspectives, 1999, 107, 737.	2.8	21
654	Chapter 5.3 Trinucleotide repeat disorders. Handbook of Behavioral Neuroscience, 1999, 13, 783-804.	0.0	0
655	DNA Methyltransferase Contributes to Delayed Ischemic Brain Injury. Journal of Neuroscience, 2000, 20, 3175-3181.	1.7	274
656	DNA methylation, nuclear structure, gene expression and cancer. Journal of Cellular Biochemistry, 2000, 79, 78-83.	1.2	86
657	Methylation-sensitive amplicon subtraction: a novel method to isolate differentially methylated DNA sequences in complex genomes. Gene Function & Disease, 2000, 1, 154-160.	0.3	5

#	Article	IF	CITATIONS
658	Observations on EGFR gene amplification and polymorphism in prostatic diseases. International Urology and Nephrology, 2000, 32, 73-75.	0.6	8
659	Epigenetic Properties of Fumonisin B1: Cell Cycle Arrest and DNA Base Modification in C6 Glioma Cells. Toxicology and Applied Pharmacology, 2000, 164, 91-96.	1.3	71
660	DNA of Drosophila melanogaster contains 5-methylcytosine. EMBO Journal, 2000, 19, 6918-6923.	3.5	173
661	AFLP-Based detection of DNA methylation. Plant Molecular Biology Reporter, 2000, 18, 361-368.	1.0	158
662	Transforming growth factor \hat{l}^2 : a growth factor inducing $\hat{l}\pm B$ -crystallin expression in ciliary muscle cells. Graefe's Archive for Clinical and Experimental Ophthalmology, 2000, 238, 993-997.	1.0	3
663	Methylation mosaicism of 5'-(CGG)n-3' repeats in fragile X, premutation and normal individuals. Nucleic Acids Research, 2000, 28, 2141-2152.	6.5	47
664	Rab6c, a new member of the Rab gene family, is involved in drug resistance in MCF7/AdrR cells. Gene, 2000, 257, 67-75.	1.0	36
666	BIOCHEMICAL ROLE OF FOLATE IN CELLULAR METABOLISM*. Clinical Research and Regulatory Affairs, 2001, 18, 161-180.	2.1	60
667	5-azacytidine induces chromosomal breakage in the root tips of wheat carrying the cuckoo chromosome 4SL from Aegilops sharonensis. Heredity, 2001, 87, 474-479.	1.2	12
668	DNA methylation and carcinogenesis., 2001, 66, 235-255.		30
669	Deregulation of Light-Induced Plastidogenesis in Etiolated Euglena gracilis Klebs Treated with DNA Hypermethylating 3'-Azido-3'-deoxythymidine. Plant Biology, 2001, 3, 524-535.	1.8	6
670	Evidence for gene silencing in Haemophilus influenzae. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2001, 478, 65-74.	0.4	1
671	Epigenetic Effects on Transgene Expression. , 2001, 158, 351-368.		31
672	Methylation matters. Journal of Medical Genetics, 2001, 38, 285-303.	1.5	425
673	Cancer epigenomics. Human Molecular Genetics, 2002, 11, 2479-2488.	1.4	101
674	Monozygotic twins with chromosome 22q11 deletion and discordant phenotypes: updates with an epigenetic hypothesis. Journal of Medical Genetics, 2002, 39, 71e-71.	1.5	49
675	Synthesis of stable-isotope enriched 5-methylpyrimidines and their use as probes of base reactivity in DNA. Nucleic Acids Research, 2002, 30, 4068-4074.	6.5	39
676	A PCR-Based Method for Studying DNA Methylation. , 2002, 181, 205-216.		1

#	Article	IF	CITATIONS
677	Mobile Genetic Element Activation and Genotoxic Cancer Therapy. Molecular Diagnosis and Therapy, 2002, 2, 25-35.	3.3	38
679	Somatic recombination: a major genotoxic effect of two pyrimidine antimetabolitic chemotherapeutic drugs in Drosophila melanogaster. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2002, 514, 95-103.	0.9	17
680	Detection of genomic alterations in human endometrial cancer by two-dimensional gel electrophoresis. American Journal of Obstetrics and Gynecology, 2002, 186, 855-857.	0.7	3
681	An analytical method for the detection of methylation differences at specific chromosomal loci using primer extension and ion pair reverse phase HPLC. Human Mutation, 2002, 20, 305-311.	1.1	18
682	Effects of histone deacetylation and DNA methylation on the constitutive and TCDD-inducible expressions of the human CYP1 family in MCF-7 and HeLa cells. Toxicology Letters, 2003, 144, 247-256.	0.4	72
683	Intraperitoneal dissemination of Ad12-induced undifferentiated neuroectodermal hamster tumors: de novo methylation and transcription patterns of integrated viral and of cellular genes. Virus Research, 2003, 98, 45-56.	1.1	24
684	Catalytic Mechanism of DNA-(cytosine-C5)-methyltransferases Revisited: Covalent Intermediate Formation is not Essential for Methyl Group Transfer by the Murine Dnmt3a Enzyme. Journal of Molecular Biology, 2003, 329, 675-684.	2.0	69
685	Reconstitution of TIMP-2 expression in SH-SY5Y neuroblastoma cells by 5-azacytidine is mediated transcriptionally by NF-Y through an inverted CCAAT site. Experimental Cell Research, 2003, 286, 209-218.	1.2	12
686	Genetic and epigenetic aspects of somaclonal variation: flower colour bud sports in azalea, a case study. South African Journal of Botany, 2003, 69, 117-128.	1,2	10
687	A role for poly(ADP-ribosyl)ation in DNA methylation. Biochemistry and Cell Biology, 2003, 81, 197-208.	0.9	15
689	Composition Alignment. Lecture Notes in Computer Science, 2003, , 447-461.	1.0	11
691	Overview of cellular immune function in systemic lupus erythematosus., 2004,, 29-92.		7
692	Influence of in vitro manipulation on the stability of methylation patterns in the Snurf/Snrpn-imprinting region in mouse embryonic stem cells. Nucleic Acids Research, 2004, 32, 1566-1576.	6.5	42
693	Oxidative damage to methyl-CpG sequences inhibits the binding of the methyl-CpG binding domain (MBD) of methyl-CpG binding protein 2 (MeCP2). Nucleic Acids Research, 2004, 32, 4100-4108.	6.5	660
694	Replicationâ€independent chromatin loading of Dnmt1 during G2 and M phases. EMBO Reports, 2004, 5, 1181-1186.	2.0	156
695	5-aza-2′-deoxycytidine upregulates caspase-9 expression cooperating with p53-induced apoptosis in human lung cancer cells. Oncogene, 2004, 23, 6779-6787.	2.6	72
696	Cytological Evaluation of Global DNA Methylation in Mouse Testicular Genome. Hereditas, 2004, 123, 275-283.	0.5	4
697	Homocysteine associated genomic DNA hypermethylation in patients with chronic alcoholism. Journal of Neural Transmission, 2004, 111, 1611-1616.	1.4	139

#	Article	IF	Citations
698	Gene structure and expression of the 5′-(CGG)n-3′-binding protein (CGGBP1). Genomics, 2004, 83, 106-118	3.1.3	24
699	Evidence of Gender- and Tissue-Specific Promoter Methylation and the Potential for Ethinylestradiol-Induced Changes in Japanese Medaka (<i>Oryzias Latipes</i>) Estrogen Receptor and Aromatase Genes. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2004, 67, 1-22.	1.1	93
700	DNA hypermethylation of the alpha synuclein promoter in patients with alcoholism. NeuroReport, 2005, 16, 167-170.	0.6	156
701	Differences of cytosine methylation in parental lines and F1 hybrids of Large White×Meishan crosses and their effects on F1 performance. Chinese Journal of Agricultural Biotechnology, 2005, 2, 195-200.	0.1	1
702	DNA Methylation in Promoter Regions of Red Cell Membrane Protein Genes in Healthy Individuals and Patients with Hereditary Membrane Disorders. International Journal of Hematology, 2005, 81, 385-395.	0.7	8
703	Relationships between DNA Methylation and Expression in Erythrocyte Membrane Protein (Band 3,) Tj ETQq1 1 0. International Journal of Hematology, 2005, 82, 422-429.	784314 r _s 0.7	gBT /Overlo
704	Ten years of AFLP in ecology and evolution: why so few animals?. Molecular Ecology, 2005, 14, 2899-2914.	2.0	420
705	Dynamic and reversibility of heterochromatic gene silencing in human disease. Cell Research, 2005, 15, 679-690.	5.7	32
710	Structure of mouse DNA (cytosineâ€5â€)â€methyltransferase. FEBS Journal, 1988, 177, 29-34.	0.2	2
711	On the Biological Significance of DNA Methylation. Biochemistry (Moscow), 2005, 70, 505-524.	0.7	19
712	DNA-[Adenine] Methylation in Lower Eukaryotes. Biochemistry (Moscow), 2005, 70, 550-558.	0.7	48
713	(Epi)genetic Signals: Towards a Human Genome Sequence of All Five Nucleotides. , 2005, , 21-38.		O
714	WTH3, which Encodes a Small G Protein, Is Differentially Regulated in Multidrug-Resistant and Sensitive MCF7 Cells. Cancer Research, 2005, 65, 7421-7428.	0.4	11
715	BZLF1 Activation of the Methylated Form of the BRLF1 Immediate-Early Promoter Is Regulated by BZLF1 Residue 186. Journal of Virology, 2005, 79, 7338-7348.	1.5	75
716	Epigenetic Regulation of WTH3 in Primary and Cultured Drug-Resistant Breast Cancer Cells. Cancer Research, 2005, 65, 10024-10031.	0.4	23
717	Low-frequency normal mode in DNA Hhal methyltransferase and motions of residues involved in the base flipping. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 16194-16198.	3.3	12
718	Prediction of methylated CpGs in DNA sequences using a support vector machine. FEBS Letters, 2005, 579, 4302-4308.	1.3	103
719	5-Azacytidine and Decitabine Monotherapies of Myelodysplastic Disorders. Annals of Pharmacotherapy, 2005, 39, 1700-1709.	0.9	32

#	Article	IF	CITATIONS
720	Replication and Translation of Epigenetic Information. , 2006, 301, 21-44.		17
723	Antitumor Effect of OK-432–Derived DNA. Journal of Immunotherapy, 2006, 29, 143-150.	1.2	25
724	Foreign DNA Integrationâ€"Perturbations of the Genomeâ€"Oncogenesis. Annals of the New York Academy of Sciences, 2001, 945, 276-288.	1.8	41
725	Epigenetic DNA Hypermethylation of the HERP Gene Promoter Induces Down-regulation of Its mRNA Expression in Patients With Alcohol Dependence. Alcoholism: Clinical and Experimental Research, 2006, 30, 587-591.	1.4	171
726	Specificity of DNA cleavage by ultrasound. Molecular Biology, 2006, 40, 276-283.	0.4	27
727	Lowered DNA methyltransferase (DNMT-3b) mRNA expression is associated with genomic DNA hypermethylation in patients with chronic alcoholism. Journal of Neural Transmission, 2006, 113, 1299-1304.	1.4	141
728	Î ³ -Glutamyl Transpeptidase: Catalytic Mechanism and Gene Expression. Advances in Enzymology and Related Areas of Molecular Biology, 2006, 72, 239-278.	1.3	84
729	De Novo Methylation, Long-Term Promoter Silencing, Methylation Patterns in the Human Genome, and Consequences of Foreign DNA Insertion., 2006, 301, 125-175.		25
730	The Almost-Forgotten Fifth Nucleotide in DNA: An Introduction. , 2006, 301, 3-18.		9
731	Epigenetic Status of an Adenovirus Type 12 Transgenome upon Long-Term Cultivation in Hamster Cells. Journal of Virology, 2007, 81, 5349-5361.	1.5	31
732	Genetic Variation in H2AFX Contributes to Risk of Non–Hodgkin Lymphoma. Cancer Epidemiology Biomarkers and Prevention, 2007, 16, 1098-1106.	1,1	37
733	Up-Regulation of DNA-Methyltransferase 3A Expression is Associated with Hypomethylation of Intron 25 in Human Testicular Germ Cell Tumors. Tohoku Journal of Experimental Medicine, 2007, 212, 177-190.	0.5	17
734	Daily Variations of Homocysteine Concentration May Influence Methylation of DNA in Normal Healthy Individuals. Chronobiology International, 2007, 24, 315-326.	0.9	45
738	Homology-dependent inactivation of LTR retrotransposons in Aspergillus fumigatus and A. nidulans genomes. Molecular Biology, 2007, 41, 886-893.	0.4	5
739	WTH3 is a direct target of the p53 protein. British Journal of Cancer, 2007, 96, 1579-1586.	2.9	9
740	Methylationâ€Sensitive Amplification Polymorphism in Date Palms (<i>Phoenix dactylifera</i> L.) and their Offâ€Shoots. Plant Biology, 2007, 9, 526-533.	1.8	26
741	Molecular cloning and characterization of the DNA adenine methyltransferase gene in Feldmannia sp. virus. Virus Genes, 2007, 34, 177-183.	0.7	5
742	What history tells us IX. Z-DNA: when nature is not opportunistic. Journal of Biosciences, 2007, 32, 657-661.	0.5	15

#	ARTICLE	IF	Citations
743	Methylation of WTH3, a possible drug resistant gene, inhibits p53 regulated expression. BMC Cancer, 2008, 8, 327.	1.1	13
744	CpGâ€methylation silences the activity of the RNA polymerase III transcribed EBERâ€1 promoter of Epsteinâ€Barr virus. FEBS Letters, 2008, 582, 705-709.	1.3	16
745	Differential methylation of TSP50 and mTSP50 genes in different types of human tissues and mouse spermatic cells. Biochemical and Biophysical Research Communications, 2008, 374, 658-661.	1.0	11
746	The Effect of Maras Powder on DNA Methylation and Micronucleus Formation in Human Buccal Tissue. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2008, 71, 396-404.	1.1	10
747	Characterization of tumor cells and stem cells by differential nuclear methylation imaging. , 2008, , .		6
748	Homocysteine, Alcoholism and its Molecular Networks. Pharmacopsychiatry, 2009, 42, S102-S109.	1.7	34
749	Methylation-Dependent Binding of the Epstein-Barr Virus BZLF1 Protein to Viral Promoters. PLoS Pathogens, 2009, 5, e1000356.	2.1	70
750	Epigenetic mechanisms in human adenovirus type 12 oncogenesis. Seminars in Cancer Biology, 2009, 19, 136-143.	4.3	20
751	DIETARY METHYL GROUPS AND CANCER. Nutrition Reviews, 1986, 44, 278-280.	2.6	1
752	Automated quantification of DNA demethylation effects in cells via 3D mapping of nuclear signatures and population homogeneity assessment. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2009, 75A, 569-583.	1.1	24
753	Active DNA Demethylation Mediated by DNA Glycosylases. Annual Review of Genetics, 2009, 43, 143-166.	3.2	672
7 54	A Distinct DNA-Methylation Boundary in the 5′- Upstream Sequence of the FMR1 Promoter Binds Nuclear Proteins and Is Lost in Fragile X Syndrome. American Journal of Human Genetics, 2009, 85, 606-616.	2.6	99
755	DNA methylation in diploid inbred lines of potatoes and its possible role in the regulation of heterosis. Theoretical and Applied Genetics, 2010, 120, 205-214.	1.8	39
756	Differential rRNA Genes Expression in Hexaploid Wheat Related to NOR Methylation. Plant Molecular Biology Reporter, 2010, 28, 403-412.	1.0	27
757	Does epigenetic polymorphism contribute to phenotypic variances in Jatropha curcas L.?. BMC Plant Biology, 2010, 10, 259.	1.6	91
758	DNA $\hat{a}\in$ A molecule in search of additional functions: Recipient of pool wave emissions? A hypothesis. Medical Hypotheses, 2010, 75, 291-293.	0.8	3
759	Side chain flexibility and protonation states of sulfur atom containing amino acids. Physical Chemistry Chemical Physics, 2011, 13, 17284.	1.3	23
760	Mechanisms of Epigenetic Gene Silencing. , 2011, , 41-53.		0

#	Article	IF	CITATIONS
761	DNA Methylation in Drosophila—A Critical Evaluation. Progress in Molecular Biology and Translational Science, 2011, 101, 177-191.	0.9	44
762	Epigenetic Aspects of Chronic Diseases. , 2011, , .		3
763	Transcriptional regulation by DNA methylation. Cancer Treatment Reviews, 2011, 37, S8-S12.	3.4	36
764	Predicting methylation status of human DNA sequences by pseudo-trinucleotide composition. Talanta, 2011, 85, 1143-1147.	2.9	14
765	Cancer Epigenomics: a review. Internet Journal of Medical Update, 2011, 6, .	0.2	1
766	Nucleosome positioning plays an important role in predicting the methylation status of CpG islands. , 2011, , .		0
767	On parameters of the human genome. Journal of Theoretical Biology, 2011, 288, 92-104.	0.8	23
768	Genomic characterization of natural and somaclonal variations in bananas (Musa spp.). Plant Molecular Biology Reporter, 2011, 29, 440-448.	1.0	15
769	Biological Mechanisms in Alcohol Dependence-New Perspectives. Alcohol and Alcoholism, 2011, 46, 224-230.	0.9	26
770	DNA Methylation Profiles in the 5′-Upstream Region of the Human FMR1 Promoter and in an Adenovirus Transgenome. , 2011, , 495-509.		0
771	Associations of long interspersed nuclear element-1 DNA methylation with preterm birth in a prospective cohort study. Journal of Developmental Origins of Health and Disease, 2012, 3, 173-181.	0.7	55
772	Prediction of methylation CpGs and their methylation degrees in human DNA sequences. Computers in Biology and Medicine, 2012, 42, 408-413.	3.9	24
773	Impact of Methylation on the Physical Properties of DNA. Biophysical Journal, 2012, 102, 2140-2148.	0.2	118
774	Assessment of changes in DNA methylation by methylation-sensitive amplification polymorphism in Jatropha curcas L. subjected to salinity stress. Gene, 2012, 508, 125-129.	1.0	46
776	Impact of foreign DNA integration on tumor biology and on evolution via epigenetic alterations. Epigenomics, 2012, 4, 41-49.	1.0	21
777	What history tells us XXXII. The long and tortuous history of epigenetic marks. Journal of Biosciences, 2013, 38, 451-454.	0.5	11
778	MBD4 and TDG: Multifaceted DNA glycosylases with ever expanding biological roles. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2013, 743-744, 12-25.	0.4	85
779	Genomeâ€wide <scp>DNA</scp> methylation patterns in discordant sib pairs with alcohol dependence. Asia-Pacific Psychiatry, 2013, 5, 39-50.	1.2	47

#	Article	lF	Citations
780	Real Time in Vitro Regulation of DNA Methylation Using a 5-Fluorouracil Conjugated DNA-Based Stimuli-Responsive Platform. ACS Applied Materials & Stimuli-Responsive Platform. ACS Applied Mate	4.0	7
781	DNA methylation and methylation polymorphism in ecotypes of Jatropha curcas L. using methylation-sensitive AFLP markers. Molecular Biology Reports, 2014, 41, 8261-8271.	1.0	6
782	Fetal alcohol spectrum disorders and their transmission through genetic and epigenetic mechanisms. Frontiers in Genetics, 2014, 5, 154.	1.1	72
784	Global DNA Methylation Analysis Using Methyl-Sensitive Amplification Polymorphism (MSAP). Methods in Molecular Biology, 2014, 1062, 285-298.	0.4	37
785	Variation in genes involved in epigenetic processes offers insights into tropically adapted cattle diversity. Frontiers in Genetics, 2014, 5, 89.	1.1	1
786	Epigenetic analysis of HIV-1 proviral genomes from infected individuals: Predominance of unmethylated CpG's. Virology, 2014, 449, 181-189.	1.1	32
787	The prediction of methylation states in human DNA sequences based on hexanucleotide composition and feature selection. Analytical Methods, 2014, 6, 1897.	1.3	9
788	Integrating Early Life Experience, Gene Expression, Brain Development, and Emergent Phenotypes. Advances in Genetics, 2014, 86, 277-307.	0.8	52
789	The role of cytosine methylation on charge transport through a DNA strand. Journal of Chemical Physics, 2015, 143, 094306.	1.2	9
790	The inheritance of acquired epigenetic variations: Table 1 International Journal of Epidemiology, 2015, 44, $1094-1103$.	0.9	52
791	Destabilization of the human epigenome: consequences of foreign DNA insertions. Epigenomics, 2015, 7, 745-755.	1.0	15
792	DNA methyltransferase expressions in Japanese rice fish (Oryzias latipes) embryogenesis is developmentally regulated and modulated by ethanol and 5-azacytidine. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2015, 176-177, 1-9.	1.3	22
793	HISTONE DEACETYLASE6 Controls Gene Expression Patterning and DNA Methylation-Independent Euchromatic Silencing. Plant Physiology, 2015, 168, 1298-1308.	2.3	21
794	A new method for studying population genetics of cyst nematodes based on Poolâ€6eq and genomewide allele frequency analysis. Molecular Ecology Resources, 2015, 15, 1356-1365.	2.2	31
795	DAT1 methylation changes in alcohol-dependent individuals vs. controls. Journal of Psychiatric Research, 2015, 64, 130-133.	1.5	26
797	Merging data from genetic and epigenetic approaches to better understand autistic spectrum disorder. Epigenomics, 2016, 8, 85-104.	1.0	38
798	LINE-1 hypomethylation and mutational status in cutaneous melanomas. Journal of Investigative Medicine, 2016, 64, 899-904.	0.7	10
799	Validation of differential <i>GDAP1</i> DNA methylation in alcohol dependence and its potential function as a biomarker for disease severity and therapy outcome. Epigenetics, 2016, 11, 456-463.	1.3	27

#	Article	IF	CITATIONS
800	Male germline transmits fetal alcohol epigenetic marks for multiple generations: a review. Addiction Biology, 2016, 21, 23-34.	1.4	36
801	Single-base resolution analysis of DNA epigenome via high-throughput sequencing. Science China Life Sciences, 2016, 59, 219-226.	2.3	9
802	Epigenetics - A Different Way of Looking at Genetics. Epigenetics and Human Health, 2016, , .	0.2	0
803	Active DNA Demethylation in Neurodevelopment. , 2017, , 43-59.		1
804	DNA methylation in CHO cells. Journal of Biotechnology, 2017, 258, 206-210.	1.9	8
805	DNA and Its Epigenetic Potential, an Antenna for Cosmic Emissions: Driving Force in Evolution and Energy Transmission?. Journal of Clinical Epigenetics, 2017, 03, .	0.3	0
806	Promoter methylation of Wnt/ \hat{l}^2 -Catenin signal inhibitor <i>TMEM88</i> is associated with unfavorable prognosis of non-small cell lung cancer. Cancer Biology and Medicine, 2017, 14, 377.	1.4	23
807	Considering Epigenetics in Adverse Outcome Pathways. , 2018, , 219-234.		2
808	A Systems Biology Approach to Advancing Adverse Outcome Pathways for Risk Assessment. , 2018, , .		8
809	Intracellular African swine fever virus DNA remains unmethylated in infected Vero cells. Epigenomics, 2018, 10, 289-299.	1.0	9
810	Potential for diagnosis versus therapy monitoring of attention deficit hyperactivity disorder: a new epigenetic biomarker interacting with both genotype and auto-immunity. European Child and Adolescent Psychiatry, 2018, 27, 241-252.	2.8	41
811	Inheritable epigenetic response towards foreign DNA entry by mammalian host cells: a guardian of genomic stability. Epigenetics, 2018, 13, 1141-1153.	1.3	8
812	Genome-wide promoter DNA methylation profiling of hepatocellular carcinomas arising either spontaneously or due to chronic exposure to Ginkgo biloba extract (GBE) in B6C3F1/N mice. Archives of Toxicology, 2019, 93, 2219-2235.	1.9	3
813	L-ascorbic acid and the evolution of multicellular eukaryotes. Journal of Theoretical Biology, 2019, 476, 62-73.	0.8	6
814	Electrochemical determination of the activity of DNA methyltransferase based on the methyl binding domain protein and a customized modular detector. Mikrochimica Acta, 2019, 186, 229.	2.5	9
815	Genomic Resources and Marker-Assisted Selection in Jatropha curcas. , 2019, , 145-160.		1
816	Targeting epigenetics for cancer therapy. Archives of Pharmacal Research, 2019, 42, 159-170.	2.7	114
817	Additional functions of selected proteins involved in DNA repair. Free Radical Biology and Medicine, 2020, 146, 1-15.	1.3	11

#	Article	IF	CITATIONS
818	Comparative epigenetics in animal physiology: An emerging frontier. Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2020, 36, 100745.	0.4	6
819	Single-cell epigenomics: Methods and translation. , 2020, , 525-535.		0
820	The Role of the Epstein-Barr Virus Lytic Cycle in Tumor Progression: Consequences in Diagnosis and Therapy. , 2020, , .		1
821	Epigenomic Landscape of Lyme Disease Spirochetes Reveals Novel Motifs. MBio, 2021, 12, e0128821.	1.8	4
822	Adenoviral Vector DNA- and SARS-CoV-2 mRNA-Based Covid-19 Vaccines: Possible Integration into the Human Genome - Are Adenoviral Genes Expressed in Vector-based Vaccines?. Virus Research, 2021, 302, 198466.	1.1	30
824	DNA methylation, nuclear structure, gene expression and cancer. Journal of Cellular Biochemistry, 2000, 79, 78-83.	1.2	6
825	Genome-wide Analysis of DNA Methylation Changes in Human Malignancies. , 2006, 310, 179-198.		20
826	Multifactor Interaction Network of Carcinogenesis — A "Tour Guide― , 1995, , 1-20.		8
827	Induction of Differentiation of 3T3-L1 Fibroblasts to Adipocytes by 3-Deazaadenosine and Insulin. , 1987, , 231-240.		4
828	Molecular Mapping of Plant Chromosomes. Stadler Genetics Symposia Series, 1988, , 157-173.	0.0	75
829	Trans-Activation of the Human Immunodeficiency Virus (HIV) Promoter by Heterologous Virus Infection., 1990,, 289-308.		5
830	Steroid hormone regulation of cultured breast cancer cells. Cancer Treatment and Research, 1988, 40, 307-341.	0.2	25
831	Lipotropic Factors and Oncogenesis. , 1986, 206, 223-251.		45
832	Choline Deficiency and Chemical Carcinogenesis. , 1986, 206, 253-267.		29
834	Introduction and General Overview. Springer Series in Molecular Biology, 1984, , 1-10.	1.9	6
835	Specific Promoter Methylations Cause Gene Inactivation. Springer Series in Molecular Biology, 1984, , 221-247.	1.9	6
836	Chromatin Structure and Gene Expression. Springer Series in Molecular Biology, 1984, , 293-351.	1.9	27
837	The Impact of Foreign DNA Integration on Tumor Biology and Evolution via Epigenetic Alterations. , 2012, , 1-14.		4

#	Article	IF	CITATIONS
838	Dietary Effects on DNA Methylation: Do They Account for the Hepatocarcinogenic Properties of Lipotrope Deficient Diets?. Advances in Experimental Medicine and Biology, 1995, 369, 141-154.	0.8	10
839	Cytokines and myeloid-specific genes: Patterns of expression and possible role in proliferation and differentiation of acute myelogenous leukemia cells. Cancer Treatment and Research, 1993, 64, 171-187.	0.2	1
840	Human—Human Hybridoma Technology. , 1985, , 227-244.		1
841	Genetic and Epigenetic Aspects of Tumor Progression and Tumor Heterogeneity., 1985, 33, 285-305.		3
842	Transgenic Mice: Gene Transfer into the Germ Line. , 1986, , 189-221.		4
843	Chlorella Algal Viruses. , 1986, 40, 337-347.		5
844	Interleukin-1., 1988,, 75-95.		3
845	The State of DNA Modification within and Flanking Maize Transposable Elements. , 1988, , 237-250.		28
846	Structure, Amplification and Methylation of Ornithine Decarboxylase Genes in Human Malignant Cells. Advances in Experimental Medicine and Biology, 1988, 250, 253-260.	0.8	2
847	Polyamines, DNA Methylation and Cell Differentiation. Advances in Experimental Medicine and Biology, 1988, 250, 291-299.	0.8	19
848	Lipotropic Factors and Carcinogenesis. , 1991, , 159-185.		5
849	Lipotrope Deficiency and Persistent Changes in DNA Methylation. Advances in Experimental Medicine and Biology, 1995, 375, 97-106.	0.8	17
850	The Significance of DNA Methylation in Cellular Aging. , 1985, 35, 269-283.		20
851	Genetic Basis of Metastases. Advances in Experimental Medicine and Biology, 1988, 233, 269-279.	0.8	5
852	Human Adenovirus Type 12. Methods in Molecular Medicine, 2007, , 197-211.	0.8	6
853	Landscaping Plant Epigenetics. Methods in Molecular Biology, 2014, 1112, 1-24.	0.4	6
854	Patterns of de novo DNA methylation and promoter inhibition: Studies on the adenovirus and the human genomes., 1993, 64, 262-299.		17
855	DNA Methylation and retrovirus expression. , 1993, 64, 300-329.		6

#	Article	IF	CITATIONS
856	DNA Methylation, chromatin structure and the regulation of gene expression. , 1993, 64, 404-424.		16
857	Epigenetic Alterations upon the Insertion of Foreign DNA into Mammalian Genomes: Oncogenesis and Evolution. Epigenetics and Human Health, 2016, , 123-143.	0.2	2
858	Mammalian Methyltransferases and Methyl-CpG-Binding Domains: Proteins Involved in DNA Methylation. Current Topics in Microbiology and Immunology, 2000, 249, 55-74.	0.7	83
859	Metastasis-Related mts 1 Gene. Current Topics in Microbiology and Immunology, 1996, , 171-195.	0.7	15
860	DNA Methylation and Its Functional Significance: Studies on the Adenovirus System. Current Topics in Microbiology and Immunology, 1984, 108, 79-98.	0.7	37
861	Early and Late Proteins of Adenovirus Type 12: Translation Mapping with RNA Isolated from Infected and Transformed Cells. Current Topics in Microbiology and Immunology, 1984, 111, 91-106.	0.7	8
862	Macromolecular Synthesis in Cells Infected by Frog Virus 3. Current Topics in Microbiology and Immunology, 1985, 116, 77-106.	0.7	47
863	Cellular Resistance to Cadmium. Handbook of Experimental Pharmacology, 1986, , 363-396.	0.9	13
864	Expression of the Autographa californica Nuclear Polyhedrosis Virus Genome in Insect Cells: Homologous Viral and Heterologous Vertebrate Genesâ€"The Baculovirus Vector System. Current Topics in Microbiology and Immunology, 1986, 131, 51-68.	0.7	28
865	Organization and Expression of the Nuclear Genome. , 1988, , 141-154.		7
866	Enzymatic DNA Methylation. Progress in Clinical Biochemistry and Medicine, 1989, , 61-103.	0.5	18
867	Mechanisms of Chemical Carcinogenesis: Theoretical and Experimental Bases. Handbook of Experimental Pharmacology, 1990, , 3-29.	0.9	8
868	The Influence of Genome Structural Organization on DNA Damage and Repair in Eukaryotic Cells Exposed to Ionizing Radiation., 1991,, 85-101.		6
869	Evolution of DNA Sequence Contributions of Mutational Bias and Selection to the Origin of Chromosomal Compartments. Advances in Mutagenesis Research, 1990, , 1-54.	0.2	35
870	Uptake of Foreign DNA by Mammalian Cells Via the Gastrointestinal Tract in Mice: Methylation of Foreign DNAâ€"A Cellular Defense Mechanism. Current Topics in Microbiology and Immunology, 1995, 197, 209-224.	0.7	7
871	Biological Mechanisms and Toxicological Consequences of the Methylation of Arsenic. Handbook of Experimental Pharmacology, 1995, , 407-433.	0.9	21
872	The Mechanism of Adenovirus DNA Integration: Studies in a Cell-Free System. Current Topics in Microbiology and Immunology, 1995, 199 (Pt 2), 109-137.	0.7	12
873	The Complete Nucleotide Sequence of the DNA of Human Adenovirus Type 12. Current Topics in Microbiology and Immunology, 1995, 199 (Pt 2), 189-274.	0.7	5

#	Article	IF	CITATIONS
874	Complexities in Gene Regulation by Promoter Methylation. Nucleic Acids and Molecular Biology, 1989 , , $92\text{-}119$.	0.2	21
875	Tumorigenesis by Adenovirus Type 12 in Newborn Syrian Hamsters. Current Topics in Microbiology and Immunology, 2004, 273, 215-244.	0.7	15
876	Movement of Genetic Information Between the Chloroplast and Nucleus. Plant Gene Research, 1985, , 61-78.	0.4	4
877	Stability and change through DNA repair. , 1986, , 233-289.		9
878	Z — DNA and chromosome structure. , 1984, , 34-45.		4
879	Molecular Changes and Possible Origins of Somaclonal Variation. , 1986, , 148-159.		24
880	Molecular and Biochemical Characterization of Somaclonal Variation. Current Plant Science and Biotechnology in Agriculture, 1998, , 485-499.	0.0	18
881	Photoregulation of Gene Expression in Plants. , 1989, , 161-205.		10
882	OVERVIEW OF CELLULAR IMMUNE FUNCTION IN SYSTEMIC LUPUS ERYTHEMATOSUS. , 2004, , 29-92.		12
883	DNA METHYLATION ANALYSIS. , 1995, , 185-194.		1
884	Analysis of the methylation state of the T cell receptor \hat{l}^2 chain gene in T cells and large granular lymphocytes. Journal of Biological Chemistry, 1989, 264, 251-258.	1.6	11
885	Methylation of the rat seminal vesicle secretory protein IV gene. Extensive demethylation occurs in several male sex accessory glands Journal of Biological Chemistry, 1985, 260, 15959-15964.	1.6	21
886	Purification and characterization of mammalian DNA methyltransferases by use of monoclonal antibodies Journal of Biological Chemistry, 1985, 260, 13787-13793.	1.6	35
887	Cell cycle-dependent regulation of eukaryotic DNA methylase level Journal of Biological Chemistry, 1985, 260, 8653-8656.	1.6	80
888	Preferential localization of variant nucleosomes near the 5'-end of the mouse dihydrofolate reductase gene Journal of Biological Chemistry, 1985, 260, 7688-7697.	1.6	61
889	DNA methylation in the fungi Journal of Biological Chemistry, 1984, 259, 8033-8036.	1.6	130
890	Inhibition of DNA methyltransferases in vitro by benzo[a]pyrene diol epoxide-modified substrates Journal of Biological Chemistry, 1984, 259, 9711-9716.	1.6	31
891	n-Butyrate effects thyroid hormone stimulation of prolactin production and mRNA levels in GH1 cells Journal of Biological Chemistry, 1984, 259, 9768-9775.	1.6	47

#	Article	IF	CITATIONS
892	True genes for human U1 small nuclear RNA. Copy number, polymorphism, and methylation Journal of Biological Chemistry, 1984, 259, 2013-2021.	1.6	145
893	The human serglycin gene. Nucleotide sequence and methylation pattern in human promyelocytic leukemia HL-60 cells and T-lymphoblast Molt-4 cells Journal of Biological Chemistry, 1992, 267, 13558-13563.	1.6	36
894	Activation of collagen IV gene expression in F9 teratocarcinoma cells by 3-deazaadenosine analogs. Indirect inhibitors of methylation Journal of Biological Chemistry, 1992, 267, 4988-4991.	1.6	31
895	In vitro methylation of the promoter and enhancer of Pro alpha 1(I) collagen gene leads to its transcriptional inactivation. Journal of Biological Chemistry, 1991, 266, 2549-2556.	1.6	55
896	In vitro methylation of the 5'-flanking regions of the mouse beta-globin gene Journal of Biological Chemistry, 1987, 262, 11057-11063.	1.6	24
897	Kinetic and catalytic mechanism of Hhal methyltransferase Journal of Biological Chemistry, 1987, 262, 4778-4786.	1.6	374
898	Characterization of a DNA repair domain containing the dihydrofolate reductase gene in Chinese hamster ovary cells Journal of Biological Chemistry, 1986, 261, 16666-16672.	1.6	98
899	De novo and maintenance DNA methylation by a mouse plasmacytoma cell DNA methyltransferase Journal of Biological Chemistry, 1988, 263, 4392-4399.	1.6	22
900	Methylation of type II and type I collagen genes in differentiated and dedifferentiated chondrocytes Journal of Biological Chemistry, 1985, 260, 2374-2378.	1.6	41
901	Mechanism of induction of human chorionic gonadotropin in lung tumor cells in culture. Increased levels of alpha-human chorionic gonadotropin-specific mRNA sequences and benzo(a)pyrene-induced hypomethylation Journal of Biological Chemistry, 1984, 259, 10738-10744.	1.6	12
902	Biochemical and genetic analysis of variant mouse hepatoma cells which overtranscribe the cytochrome P1-450 gene in response to 2,3,7,8-tetrachlorodibenzo-p-dioxin Journal of Biological Chemistry, 1984, 259, 12357-12363.	1.6	41
903	DNA methylation. Inhibition of de novo and maintenance methylation in vitro by RNA and synthetic polynucleotides Journal of Biological Chemistry, 1984, 259, 12437-12443.	1.6	55
904	3-O-methylation of mannose residues. A novel reaction in the processing of N-linked oligosaccharides occurring in Mucor rouxii Journal of Biological Chemistry, 1984, 259, 12514-12518.	1.6	17
905	The combination of DNA methylation and H1 histone binding inhibits the action of a restriction nuclease on plasmid DNA. Journal of Biological Chemistry, 1991, 266, 8619-8625.	1.6	30
906	Pre-replicative association of multiple replicative enzyme activities with the nuclear matrix during rat liver regeneration Journal of Biological Chemistry, 1987, 262, 1148-1154.	1.6	82
907	Chromatin structure and methylation state of a thyroid hormone-responsive gene in rat liver Journal of Biological Chemistry, 1987, 262, 778-784.	1.6	38
908	The Potential Role of DNA Methylation in the Response to 2,3,7,8-Tetrachlorodibenzo-p-dioxin. Journal of Biological Chemistry, 1989, 264, 17754-17758.	1.6	82
909	An evolutionary switch in tissue-specific gene expression. Abundant expression of alpha 1-antitrypsin in the kidney of a wild mouse species Journal of Biological Chemistry, 1985, 260, 1160-1165.	1.6	20

#	Article	IF	CITATIONS
910	Extrahepatic synthesis of apolipoprotein E Journal of Lipid Research, 1984, 25, 1368-1379.	2.0	158
911	ISOLATION AND CHARACTERIZATION OF A MOUSE <i>Y</i> CHROMOSOMAL REPETITIVE SEQUENCE. Genetics, 1986, 113, 417-432.	1.2	60
912	Efficient Repair of All Types of Single-Base Mismatches in Recombination Intermediates in Chinese Hamster Ovary Cells: Competition Between Long-Patch and G-T Glycosylase-Mediated Repair of G-T Mismatches. Genetics, 1998, 149, 1935-1943.	1.2	46
913	The Role of Methylation in the Phenotype-dependent Modulation of Epstein-Barr Nuclear Antigen 2 and Latent Membrane Protein Genes in Cells Latently Infected with Epstein-Barr Virus. Journal of General Virology, 1989, 70, 2989-3002.	1.3	123
914	Isolation and Restriction Analysis of DNA from Heterocysts and Vegetative Cells of Cyanobacteria. Microbiology (United Kingdom), 1989, 135, 219-219.	0.7	17
915	Structure of mouse DNA (cytosine-5-)-methyltransferase. FEBS Journal, 1988, 177, 29-34.	0.2	4
916	Loss of viral genomes from hamster tumor cells and nonrandom alterations in patterns of methylation of integrated adenovirus type 12 DNA. Journal of Virology, 1983, 47, 631-636.	1.5	45
917	DNA methyltransferase induced by frog virus 3. Journal of Virology, 1984, 49, 86-91.	1.5	58
918	Organization and expression of mouse mammary tumor virus sequences in normal and neoplastic C3Hf/HeSed mouse tissues. Journal of Virology, 1984, 52, 328-335.	1.5	12
919	Nucleotide sequence of an immediate-early frog virus 3 gene. Journal of Virology, 1984, 52, 905-912.	1.5	53
920	Lack of evidence for methylation of parental and newly synthesized adenovirus type 2 DNA in productive infections. Journal of Virology, 1985, 56, 320-324.	1.5	27
921	Patterns of methylation of polyomavirus DNA in polyoma-transformed rat cells. Journal of Virology, 1985, 56, 734-742.	1.5	2
922	Temperature-sensitive mutants of frog virus 3: biochemical and genetic characterization. Journal of Virology, 1986, 58, 192-202.	1.5	25
923	Methylation as a modulator of expression of human immunodeficiency virus. Journal of Virology, 1987, 61, 1253-1257.	1.5	91
924	Insertion of adenovirus type 12 DNA in the vicinity of an intracisternal A particle genome in Syrian hamster tumor cells. Journal of Virology, 1987, 61, 2719-2726.	1.5	44
925	Temperature-sensitive cellular mutant for expression of mRNA from murine retrovirus. Journal of Virology, 1988, 62, 106-113.	1.5	5
926	Methylation of the promoter for an immediate-early frog virus 3 gene does not inhibit transcription. Journal of Virology, 1988, 62, 4680-4685.	1.5	10
927	Reactivation of a methylation-silenced gene in adenovirus-transformed cells by 5-azacytidine or by E1A trans activation. Journal of Virology, 1989, 63, 3519-3524.	1.5	24

#	Article	IF	CITATIONS
928	Variable expression of latent membrane protein in nasopharyngeal carcinoma can be related to methylation status of the Epstein-Barr virus BNLF-1 5'-flanking region. Journal of Virology, 1991, 65, 1558-1567.	1.5	81
929	Adenovirus type 2 VAI RNA transcription by polymerase III is blocked by sequence-specific methylation. Journal of Virology, 1991, 65, 1735-1742.	1.5	35
930	Cell-type-specific activity of the human papillomavirus type 18 upstream regulatory region in transgenic mice and its modulation by tetradecanoyl phorbol acetate and glucocorticoids. Journal of Virology, 1993, 67, 6742-6752.	1.5	27
931	Patterns of frog virus 3 DNA methylation and DNA methyltransferase activity in nuclei of infected cells. Journal of Virology, 1993, 67, 6973-6978.	1.5	18
932	Why is CpG suppressed in the genomes of virtually all small eukaryotic viruses but not in those of large eukaryotic viruses?. Journal of Virology, 1994, 68, 2889-2897.	1.5	309
933	A fully 5'-CG-3' but not a 5'-CCGG-3' methylated late frog virus 3 promoter retains activity. Journal of Virology, 1995, 69, 2240-2247.	1.5	21
934	Specific Methylation Patterns in Two Control Regions of Epstein-Barr Virus Latency: the LMP-1-Coding Upstream Regulatory Region and an Origin of DNA Replication (oriP). Journal of Virology, 1998, 72, 2969-2974.	1.5	44
935	Retrovirus-Induced Interference with Collagen I Gene Expression in Movl3 Fibroblasts Is Maintained in the Absence of DNA Methylation. Molecular and Cellular Biology, 1991, 11, 47-54.	1.1	14
936	Retroviral Insertions 90 Kilobases Proximal to the <i>Evi-1</i> Myeloid Transforming Gene Activate Transcription from the Normal Promoter. Molecular and Cellular Biology, 1991, 11, 1820-1828.	1,1	46
937	Expression of the <i>Escherichia coli dam</i> Methylase in <i>Saccharomyces cerevisiae</i> Effect of In Vivo Adenine Methylation on Genetic Recombination and Mutation. Molecular and Cellular Biology, 1985, 5, 610-618.	1.1	28
938	Chromosomal Position and Specific Demethylation in Enhancer Sequences of Germ Line-Transmitted Retroviral Genomes During Mouse Development. Molecular and Cellular Biology, 1985, 5, 2212-2220.	1.1	38
939	DNA Methyltransferase Induced by PBCV-1 Virus Infection of a <i>Chlorella</i> -Like Green Alga. Molecular and Cellular Biology, 1986, 6, 1440-1445.	1.1	26
940	Azacytidine-Induced Reactivation of a DNA Repair Gene in Chinese Hamster Ovary Cells. Molecular and Cellular Biology, 1986, 6, 2944-2949.	1.1	32
941	Differential nuclear protein binding to 5-azacytosine-containing DNA as a potential mechanism for 5-aza-2'-deoxycytidine resistance. Molecular and Cellular Biology, 1987, 7, 3076-3083.	1.1	48
942	Demethylation of specific sites in the 5' region of the inactive X-linked human phosphoglycerate kinase gene correlates with the appearance of nuclease sensitivity and gene expression. Molecular and Cellular Biology, 1988, 8, 4692-4699.	1.1	88
943	Unit-length line-1 transcripts in human teratocarcinoma cells. Molecular and Cellular Biology, 1988, 8, 1385-1397.	1.1	168
944	Targeted Transformation of <i>Ascobolus immersus</i> and De Novo Methylation of the Resulting Duplicated DNA Sequences. Molecular and Cellular Biology, 1989, 9, 2818-2827.	1.1	95
945	Further Localization of the Gene for Hereditary Paragangliomas and Evidence for Linkage in Unrelated Families. European Journal of Human Genetics, 1994, 2, 148-158.	1.4	58

#	ARTICLE	IF	CITATIONS
946	Low expression of human histocompatibility leukocyte antigen-DR is associated with hypermethylation of human histocompatibility leukocyte antigen-DR alpha gene regions in B cells from patients with systemic lupus erythematosus Journal of Clinical Investigation, 1985, 76, 1314-1322.	3.9	25
947	Transcriptional activation and DNase I hypersensitive sites are associated with selective expression of the gastrin-releasing peptide gene Journal of Clinical Investigation, 1988, 82, 808-815.	3.9	14
948	The effect of 5-azacytidine and its analogues on blast cell renewal in acute myeloblastic leukemia. Blood, 1985, 65, 894-901.	0.6	32
949	Interferon-gamma gene expression in human B-cell lines: induction by interleukin-2, protein kinase C activators, and possible effect of hypomethylation on gene regulation. Blood, 1992, 80, 724-732.	0.6	57
950	Application of Omics Technologies in Forage Crop Improvement. , 2013, , 523-548.		5
951	5-Azacytidine affects the programming of expression of the somatic nucleus of Paramecium. Development (Cambridge), 1989, 105, 559-568.	1.2	13
952	Decrease in DNA methylase activity during preimplantation development in the mouse. Development (Cambridge), 1991, 112, 189-192.	1,2	85
953	Temporal and regional changes in DNA methylation in the embryonic, extraembryonic and germ cell lineages during mouse embryo development. Development (Cambridge), 1987, 99, 371-382.	1.2	948
954	Mechanistic Insights on the Inhibition of C5 DNA Methyltransferases by Zebularine. PLoS ONE, 2010, 5, e12388.	1.1	96
955	Epigenetic Regulation of Abiotic Stress Tolerance in Plants. Advances in Plants & Agriculture Research, 2016, 5, .	0.3	24
956	DNA methylation and cognitive aging. Oncotarget, 2015, 6, 13922-13932.	0.8	55
957	AKAP $12\hat{l}\pm$ is AssoCiated with Promoter Methylation in Lung Cancer. Cancer Research and Treatment, 2006, 38, 144.	1.3	16
958	Epigenetics: Integrating Genetic Programs, Brain Development and Emergent Phenotypes. Cell & Developmental Biology, 2014, 03, .	0.3	1
959	Things Mendel never dreamed of. Medical Journal of Australia, 1993, 158, 247-254.	0.8	3
960	Methylation variability of external cytosine of CCGG-sequences in DNA of sunflower shoots and meristem callus. Biopolymers and Cell, 2000, 16, 220-224.	0.1	0
961	Wilms-Tumor., 2001,, 471-495.		0
962	Organization, Replication, Transposition, and Repair of DNA., 2001, , 1529-1601.		0
963	Is DNA Methylation Deleterious in Cerebral Ischemia?., 2001,, 25-33.		O

#	Article	IF	Citations
966	Chapter DNA Methylation Arrays: Methods and Analysis., 2009,, 197-228.		O
969	Epigenetics of Psychiatric Diseases. , 2014, , .		O
970	Foreign DNA Integration and Its Implications via Epigenetic Mechanisms. , 2014, , .		0
971	Switch Mechanisms Regulating Gene Expression. , 1984, , 158-173.		O
972	Studies on Gene Structure and Function in Aging: Collagen Types I and II and the Albumin Genes. Jerusalem Symposia on Quantum Chemistry and Biochemistry, 1985, , 143-148.	0.2	1
973	Lipid Macromolecules as Chemotherapeutic Target. Cancer Treatment and Research, 1985, , 13-60.	0.2	1
974	THE INTERPHASE NUCLEUS., 1985,, 170-261.		0
976	Activation of Ras Oncogenes in Multistage Carcinogenesis of Mouse Skin., 1986, , 83-104.		O
977	MECHANISM OF MAMMALIAN X-CHROMOSOME INACTIVATION11Research work from the author's laboratory cited in this article was supported by a research grant (HD 15193) and a research career development award (HD 00378) from the National Institutes of Health, 1986,, 417-432.		0
978	Phospholipid Methylation and Cellular Differentiation. , 1986, , 67-74.		O
979	Ethionine in the Analysis of the Possible Separate Roles of Methionine and Choline Deficiencies in Carcinogenesis., 1986, 206, 283-292.		4
980	The Biochemical Mechanism of Cellular Activation. , 1986, , 93-99.		1
981	Tumor specific antigens induced by mutagens and DNA hypomethylating agents: implications for the immunobiology of neoplasia. Cancer Treatment and Research, 1986, , 29-67.	0.2	0
982	Inactivation of Viral Promoters by In Vitro Methylation: Studies on the Adenovirus and Baculovirus System., 1986,, 193-222.		0
983	The Evolution of Control Mechanisms in Cellular Differentiation. , 1986, , 299-310.		0
984	Regulation of Gene Expression by Site-Specific Promoter Methylation. , 1986, , 139-150.		1
985	Nutrients and other Risk Factors Associated with Cancer. , 1986, , 113-138.		0
986	The Effect of DNA Methylation on DNA-Protein Interactions and on the Regulation of Gene Expression. , 1986, , 235-240.		1

#	Article	IF	CITATIONS
987	The B \hat{a}^{\dagger} Z Transition in Poly[d(G-C) \hat{A} ·d(G-C)] After Covalent Binding of Anti-Benzo(a)Pyrenediolepoxide. Springer Series in Biophysics, 1987, , 238-241.	0.4	0
988	MOLECULAR APPROACHES FOR THE MANIPULATION OF DEVELOPMENTAL PROCESSES IN PLANTS. , 1987, , 287-297.		1
989	Die enzymatische Entgiftung reaktiver Sauerstoffspezies. , 1987, , 184-190.		1
991	Hypomethylation of DNA in the Regulation of Gene Expression. , 1988, 5, 335-349.		10
992	Pepsinogen gene regulation during stomach development and in carcinogen induced stomach cancer Seibutsu Butsuri Kagaku, 1988, 32, 309-317.	0.1	0
993	Mismatch Repair Patterns in Simian Cells Correlate with the Specificity of a Mismatch Binding Protein Isolated from Simian and HeLa Cells. , 1989, , 263-270.		0
994	Phenotypic Changes in Cell Culture. , 1989, 6, 79-95.		0
995	Chromatin and DNA Methylation Changes of the Human Myeloperoxidase Gene During Myeloid Differentiation., 1990,, 91-101.		0
996	Mechanisms of Repair in Mammalian Cells. Handbook of Experimental Pharmacology, 1990, , 51-70.	0.9	0
997	DNA Methylation, Differentiation and Cancer. , 1991, , 331-336.		0
998	Binding of the Transcription Factor EBP-80 Mediates the Methylation Response of an Intracistemal A-Particle Long Terminal Repeat Promoter. Molecular and Cellular Biology, 1991, 11, 117-125.	1.1	22
999	Hypomethylation-Associated Expression of Cytochrome P-450 and \hat{I}^3 -Glutamyl Transpeptidase During Hereditary Hepatocarcinogenesis in LEC Rats., 1991,, 162-168.		1
1000	Urokinase-type plasminogen activator gene regulation as a model system for studying transcriptional activation by the cAMP-dependent protein kinase pathway. Molecular Aspects of Cellular Regulation, 1991, , 197-222.	1.4	0
1001	DNA Methylation: A Defense Mechanism Against the Expression of Foreign DNA?., 1991,, 50-58.		1
1002	Myeloperoxidase: Gene Demethylation and Expression in Acute Myeloid Leukemias., 1992,, 65-75.		0
1003	Linked Spontaneous CG→TA Mutations at CpG Sites in the Gene for Protein Kinase Regulatory Subunit. Molecular and Cellular Biology, 1992, 12, 767-772.	1.1	10
1004	A Chronicle of DNA methylation (1948–1975). , 1993, , 1-10.		5
1006	Effect of DNA methylation on dynamic properties of the helix and nuclear protein binding in the H-ras promoter., 1993, 64, 330-342.		1

#	Article	IF	CITATIONS
1007	CpG Island Mapping of a Mouse Double-Minute Chromosome. Molecular and Cellular Biology, 1993, 13, 4459-4464.	1.1	3
1008	Genetic Factors in Precancerous Lesions and Cancer of the Esophagus. Recent Results in Cancer Research, 1994, 136, 162-178.	1.8	0
1009	Inactivation of Gene Expression Triggered by Sequence Duplication. , 1995, , 115-123.		0
1010	Variation of transgene expression in plants. Developments in Plant Breeding, 1995, , 359-366.	0.2	12
1011	Methylation and imprinting in mammalian embryogenesis. Biopolymers and Cell, 1995, 11, 5-14.	0.1	0
1012	The Evolution of Small DNA Viruses of Eukaryotes: Past and Present Considerations. , 1996, , 167-185.		0
1013	The Biological Basis of Cancer. , 1999, , 21-47.		0
1014	Discoveries in Molecular Genetics with the Adenovirus 12 System: Integration of Viral DNA and Epigenetic Consequences. Epigenetics and Human Health, 2017, , 47-63.	0.2	0
1015	Metilaci \tilde{A}^3 n de genes supresores tumorales en c \tilde{A}_i ncer colorrectal: relaci \tilde{A}^3 n con estad \tilde{A} o cl \tilde{A} nico de la enfermedad. Revista Colombiana De Gastroenterologia, 2019, 34, 1.	0.1	0
1016	An Overview of Current Research in Plant Epigenetic and Epigenomic Phenomena. Methods in Molecular Biology, 2020, 2093, 3-13.	0.4	1
1017	Loss of Chloroplast DNA Methylation During Dedifferentiation of <i>Chlamydomonas reinhardi</i> Gametes. Molecular and Cellular Biology, 1984, 4, 2103-2108.	1.1	10
1018	Relationship of DNA Methylation Level to the Presence of Heterochromatin in Mealybugs. Molecular and Cellular Biology, 1984, 4, 599-603.	1.1	14
1019	Induction of \hat{l} ±-Fetoprotein Synthesis in Differentiating F9 Teratocarcinoma Cells Is Accompanied by a Genome-Wide Loss of DNA Methylation. Molecular and Cellular Biology, 1984, 4, 898-907.	1.1	26
1020	Induction of a Step in Carcinogenesis That Is Normally Associated with Mutagenesis by Nonmutagenic Concentrations of 5-Azacytidine. Molecular and Cellular Biology, 1984, 4, 1231-1237.	1.1	17
1021	Differentiation of Two Mouse Cell Lines Is Associated with Hypomethylation of Their Genomes. Molecular and Cellular Biology, 1984, 4, 1800-1806.	1.1	36
1022	Excision repair functions in Saccharomyces cerevisiae recognize and repair methylation of adenine by the Escherichia coli dam gene. Molecular and Cellular Biology, 1986, 6, 3555-3558.	1.1	22
1023	Active X chromosome DNA is unmethylated at eight CCGG sites clustered in a guanine-plus-cytosine-rich island at the 5' end of the gene for phosphoglycerate kinase. Molecular and Cellular Biology, 1986, 6, 4122-4125.	1.1	63
1024	Structure and expression of the Chinese hamster thymidine kinase gene. Molecular and Cellular Biology, 1986, 6, 1998-2010.	1.1	29

#	Article	IF	CITATIONS
1025	Site-specific methylation of adenine in the nuclear genome of a eucaryote, Tetrahymena thermophila. Molecular and Cellular Biology, 1986, 6, 2364-2370.	1.1	16
1026	In Vitro Methylation of Bovine Papillomavirus Alters Its Ability To Transform Mouse Cells. Molecular and Cellular Biology, 1986, 6, 2910-2915.	1.1	6
1027	Genomic Hypomethylation and Far-5′ Sequence Alterations Are Associated with Carcinogen-Induced Activation of the Hamster Thymidine Kinase Gene. Molecular and Cellular Biology, 1986, 6, 3023-3033.	1.1	6
1028	Naturally Occurring Methylation Inhibitor: DNA Hypomethylation and Hemoglobin Synthesis in Human K562 Cells. Molecular and Cellular Biology, 1987, 7, 1759-1763.	1.1	4
1029	Interferon-Induced Revertants of <i>ras</i> -Transformed Cells: Resistance to Transformation by Specific Oncogenes and Retransformation by 5-Azacytidine. Molecular and Cellular Biology, 1987, 7, 2196-2200.	1.1	24
1030	Demethylation of Specific Sites in the 5′ Region of the Inactive X-Linked Human Phosphoglycerate Kinase Gene Correlates with the Appearance of Nuclease Sensitivity and Gene Expression. Molecular and Cellular Biology, 1988, 8, 4692-4699.	1.1	44
1031	Developmental Characterization and Chromosomal Mapping of the 5-Azacytidine-Sensitive <i>fluF</i> Locus of <i>Aspergillus nidulans</i> . Molecular and Cellular Biology, 1988, 8, 3043-3050.	1.1	17
1032	Hormonal Regulation of Phosphoenolpyruvate Carboxykinase Gene Expression Is Mediated through Modulation of an Already Disrupted Chromatin Structure. Molecular and Cellular Biology, 1989, 9, 1289-1297.	1.1	14
1033	Gene Structure and Transcription in Mouse Cells with Extensively Demethylated DNA. Molecular and Cellular Biology, 1989, 9, 885-892.	1.1	19
1034	DNA Methylation Patterns Associated with Asparagine Synthetase Expression in Asparagine-Overproducing and -Auxotrophic Cells. Molecular and Cellular Biology, 1989, 9, 2922-2927.	1.1	8
1035	Major Histocompatibility Complex Class I Genes in Murine Fibrosarcoma IC9 Are Down Regulated at the Level of the Chromatin Structure. Molecular and Cellular Biology, 1989, 9, 3136-3142.	1.1	6
1036	DNA methylation in the developing marsupial embryo. Development (Cambridge), 1988, 103, 719-724.	1.2	5
1057	Evidence for cytosine methylation of non-symmetrical sequences in transgenic Petunia hybrida. EMBO Journal, 1994, 13, 2084-8.	3.5	67
1058	DNA methylation in the Alu sequences of diploid and haploid primary human cells. EMBO Journal, 1993, 12, 1141-51.	3.5	85
1059	Analysis of CpG methylation and genomic footprinting at the tyrosine aminotransferase gene: DNA methylation alone is not sufficient to prevent protein binding in vivo. EMBO Journal, 1991, 10, 2559-67.	3.5	36
1060	The promoter of Alzheimer's disease amyloid A4 precursor gene. EMBO Journal, 1988, 7, 2807-13.	3.5	74
1061	Inactivation of the HIV LTR by DNA CpG methylation: evidence for a role in latency. EMBO Journal, 1990, 9, 1157-64.	3.5	76
1062	The promoter of the late p10 gene in the insect nuclear polyhedrosis virus Autographa californica: activation by viral gene products and sensitivity to DNA methylation. EMBO Journal, 1985, 4, 1301-6.	3.5	27

#	Article	IF	CITATIONS
1063	Differential methylation of the c-H-ras gene in normal mouse cells and during skin tumour progression. EMBO Journal, 1985, 4, 1449-54.	3.5	7
1064	Mouse DNA-cytosine-5-methyltransferase: sequence specificity of the methylation reaction and electron microscopy of enzyme-DNA complexes. EMBO Journal, 1985, 4, 2879-84.	3.5	3
1065	Estimation of the amount of 5-methylcytosine in Drosophila melanogaster DNA by amplified ELISA and photoacoustic spectroscopy. EMBO Journal, 1984, 3, 263-6.	3.5	21
1066	The chromosomal integration site determines the tissue-specific methylation of mouse mammary tumour virus proviral genes. EMBO Journal, 1984, 3, 1129-35.	3.5	28
1067	Comparison of factor IX methylation on human active and inactive X chromosomes: implications for X inactivation and transcription of tissue-specific genes. EMBO Journal, 1986, 5, 2223-9.	3.5	21
1069	DNA demethylation induced by 5-azacytidine does not affect fragile X expression. American Journal of Human Genetics, 1986, 38, 309-18.	2.6	16
1070	Epstein-Barr virus in a CD8-positive T-cell lymphoma. American Journal of Pathology, 1990, 136, 1093-9.	1.9	40
1072	Small molecule epigenetic modulators for enhancing recombinant antibody production in CHO cell cultures. Biotechnology and Bioengineering, 2022, 119, 820-831.	1.7	4
1073	Human monoclonal antibodies: Methods of production and some aspects of their application in oncology. Medical Oncology and Tumor Pharmacotherapy, 1984, 1, 235-46.	1.0	9
1074	Children's ADHD and Dysregulation Problems, DAT1 Genotype and Methylation, and their Interplay with Family Environment. Child and Youth Care Forum, 2023, 52, 371-399.	0.9	3
1076	Cytosine methylation regulates DNA bendability depending on the curvature. Chemical Science, 2022, 13, 7516-7525.	3.7	4
1077	The expression of retroviral vectors in murine stem cells and transgenic mice. Development (Cambridge), 1986, 97, 263-275.	1.2	4
1078	Epigenetic insight into effects of prenatal alcohol exposure on stress axis development: Systematic review with metaâ€analytic approaches. Alcoholism: Clinical and Experimental Research, 2023, 47, 18-35.	1.4	2
1079	The Behaviour of Cancers: Invasion and Metastasis II. Experimental Analysis of Mechanisms. , 2023, , 175-227.		0