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The fundamental role of epigenetic events in cancer

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2287	Gene-specific promoter hypermethylation without global hypomethylation in follicular thyroid cancer. 1992 , 33, 861		
2286	Identification of novel aberrant methylation of BASP1 and SRD5A2 for early diagnosis of hepatocellular carcinoma by genome-wide search. 1992 , 33, 949		1
2285	CpG island methylation status in the EpCAM promoter region and gene expression. 1994 , 20, 1061		2
2284	Gene expression profiling can distinguish tumor subclasses of breast carcinomas. 2001 , 132-161		1
2283	DNA methylation down-regulates CDX1 gene expression in colorectal cancer cell lines. 2002 , 277, 35795-800		45
2282	Cancer epigenomics. 2002 , 11, 2479-88		92
2281	Corepressor-dependent silencing of chromosomal regions encoding neuronal genes. 2002 , 298, 1747-52		396
2280	Aberrant DNA methylation in lung cancer: biological and clinical implications. 2002 , 7, 451-7		115
2279	Correlation of DNA hypomethylation at pericentromeric heterochromatin regions of chromosomes 16 and 1 with histological features and chromosomal abnormalities of human breast carcinomas. 2002 , 161, 859-66		56
2278	Characteristic promoter hypermethylation signatures in male germ cell tumors. 2002 , 1, 8		77
2277	Genetic heterogeneity of single disseminated tumour cells in minimal residual cancer. 2002 , 360, 683-9		396
2276	Medical history. 2002 , 360, 689		4
2275	Epigenetics in cancer: implications for early detection and prevention. 2002 , 3, 755-63		128
2274	Assessing the use of p16(INK4a) promoter gene methylation in serum for detection of bladder cancer. 2002 , 42, 622-8; discussion 628-30		55
2273	Nuclear transplantation: lessons from frogs and mice. 2002 , 14, 741-8		105
2272	Genotyping single nucleotide polymorphisms by mass spectrometry. 2002 , 21, 388-418		111

2271	Chromatin remodeling, histone modifications, and DNA methylation-how does it all fit together?. 2002 , 87, 117-25	249
2270	The ATF/CREB site is the key element for transcription of the human RNA methyltransferase like 1(RNMTL1) gene, a newly discovered 17p13.3 gene. 2002 , 12, 177-97	18
2269	Gene silencing in phenomena related to DNA repair. 2002 , 21, 9033-42	17
2268	Chromatin modification and epigenetic reprogramming in mammalian development. <i>Nature Reviews Genetics</i> , 2002 , 3, 662-73	30.1 1526
2267	Pancreatic cancer. 2002 , 26, 176-275	221
2266	Covalent trapping of protein-DNA complexes. 2003 , 72, 337-66	107
2265	Induction of tumors in mice by genomic hypomethylation. 2003 , 300, 489-92	1259
2264	Crosslinking of Cys142 of Methyltransferase SsoII with DNA Duplexes Containing a Single Internucleotide Phosphoryldisulfide Link. 2003 , 37, 772-779	2
2263	A novel histone deacetylase inhibitor, scriptaid, enhances expression of functional estrogen receptor alpha (ER) in ER negative human breast cancer cells in combination with 5-aza 2'-deoxycytidine. 2003 , 81, 177-86	138
2262	Chromosomal instability and tumors promoted by DNA hypomethylation. 2003 , 300, 455	1016
2261	Profiling cancer. 2003 , 15, 213-20	12
2260	Histone modifications and silencing prior to DNA methylation of a tumor suppressor gene. 2003 , 3, 89-95	343
2259	FANCF methylation contributes to chemoselectivity in ovarian cancer. 2003 , 3, 417-20	64
2258	Histone deacetylase inhibitors in cancer therapy: is transcription the primary target?. 2003 , 4, 13-8	425
2257	Genetics supersedes epigenetics in colon cancer phenotype. 2003 , 4, 121-31	154
2256	The t(1;3) breakpoint-spanning genes LSAMP and NORE1 are involved in clear cell renal cell carcinomas. 2003 , 4, 405-13	85
2255	Drug reactivates genes to inhibit cancer. 2003 , 8, 430-1	13
2254	Mechanisms involved in the induced differentiation of leukemia cells. 2003 , 100, 257-90	127

2253	The emerging role of epigenetics in cellular and organismal aging. 2003 , 38, 1299-307	73
2252	Does the intrinsic instability of aneuploid genomes have a causal role in cancer?. 2003 , 19, 253-6	78
2251	Clustering of hypermethylated genes in neuroblastoma. 2003 , 38, 226-33	62
2250	Aberrant DNA methylation in pediatric patients with acute lymphocytic leukemia. 2003 , 97, 695-702	59
2249	Increased protein expression of DNA methyltransferase (DNMT) 1 is significantly correlated with the malignant potential and poor prognosis of human hepatocellular carcinomas. 2003 , 105, 527-32	209
2248	Altered methylation of multiple genes in carcinogenesis of the prostate. 2003 , 106, 382-7	106
2247	Human pHyde is not a classical tumor suppressor gene in prostate cancer. 2003 , 106, 729-35	14
2246	Aberrant methylation of multiple genes in the upper aerodigestive tract epithelium of heavy smokers. 2003 , 107, 612-6	115
2245	Biochemical fractionation reveals association of DNA methyltransferase (Dnmt) 3b with Dnmt1 and that of Dnmt 3a with a histone H3 methyltransferase and Hdac1. 2003 , 88, 855-64	69
2244	Checkpoint signaling: epigenetic events sound the DNA strand-breaks alarm to the ATM protein kinase. 2003 , 25, 627-30	44
2243	Cooperative interactions between epigenetic modifications and their function in the regulation of chromosome architecture. 2003 , 25, 792-7	23
2242	DNMT cooperativity--the developing links between methylation, chromatin structure and cancer. 2003 , 25, 1071-84	72
2241	DNA methylation controls the responsiveness of hepatoma cells to leukemia inhibitory factor. 2003 , 38, 1516-28	15
2240	Animal models of melanoma: an HGF/SF transgenic mouse model may facilitate experimental access to UV initiating events. 2003 , 16, 16-25	62
2239	DNA hypermethylation and histone hypoacetylation of the HLTF gene are associated with reduced expression in gastric carcinoma. 2003 , 94, 692-8	34
2238	Absence of cyclin D2 expression is associated with promoter hypermethylation in gastric cancer. 2003 , 88, 1560-5	35
2237	MeCP2 and MBD2 expression in human neoplastic and non-neoplastic breast tissue and its association with oestrogen receptor status. 2003 , 89, 1934-9	52
2236	Prognostic implications of epigenetic silencing of p15INK4B in acute promyelocytic leukemia. 2003 , 17, 839-40	4

2235	Methylation, aging, and pediatric acute lymphocytic leukemia. 2003 , 17, 2063-4	4
2234	Detection of RASSF1A aberrant promoter hypermethylation in sputum from chronic smokers and ductal carcinoma in situ from breast cancer patients. 2003 , 22, 147-50	91
2233	Methylation-associated silencing of heparan sulfate D-glucosaminyl 3-O-sulfotransferase-2 (3-OST-2) in human breast, colon, lung and pancreatic cancers. 2003 , 22, 274-80	125
2232	NORE1A, a homologue of RASSF1A tumour suppressor gene is inactivated in human cancers. 2003 , 22, 947-54	106
2231	Loss of the tight junction protein claudin-7 correlates with histological grade in both ductal carcinoma in situ and invasive ductal carcinoma of the breast. 2003 , 22, 2021-33	380
2230	p16 INK4a gene promoter variation and differential binding of a repressor, the ras-responsive zinc-finger transcription factor, RREB. 2003 , 22, 2285-95	68
2229	Frequent epigenetic inactivation of the RASSF1A gene in hepatocellular carcinoma. 2003 , 22, 1866-71	150
2228	Mutant p53 and aberrant cytosine methylation cooperate to silence gene expression. 2003 , 22, 3624-34	83
2227	Frequent epigenetic inactivation of the SLIT2 gene in gliomas. 2003 , 22, 4611-6	117
2226	Cancer epigenetics. 2003 , 22, 6479-83	236
2225	SPARC/osteonectin is a frequent target for aberrant methylation in pancreatic adenocarcinoma and a mediator of tumor-stromal interactions. 2003 , 22, 5021-30	244
2224	Genetic and epigenetic alterations as hallmarks of the intricate road to cancer. 2003 , 22, 6472-8	72
2223	Resetting the histone code at CDKN2A in HNSCC by inhibition of DNA methylation. 2003 , 22, 8902-11	49
2222	Mechanisms of apoptosis induction by nucleoside analogs. 2003 , 22, 9063-74	170
2221	Meddling with methylation. 2003 , 5, 502-4	13
2220	DNMT1 is required to maintain CpG methylation and aberrant gene silencing in human cancer cells. 2003 , 33, 61-5	502
2219	Epigenetic regulation of gene expression: how the genome integrates intrinsic and environmental signals. 2003 , 33 Suppl, 245-54	4561
2218	The genetics and genomics of cancer. 2003 , 33 Suppl, 238-44	446

2217	Chromosome aberrations in solid tumors. 2003 , 34, 369-76	603
2216	The power and the promise of DNA methylation markers. 2003 , 3, 253-66	1260
2215	Control of gut differentiation and intestinal-type gastric carcinogenesis. 2003 , 3, 592-600	266
2214	The genetics of malignant melanoma: lessons from mouse and man. 2003 , 3, 559-70	216
2213	Genomic instability--the engine of tumorigenesis?. 2003 , 3, 701-8	265
2212	The 14-3-3 cancer connection. 2003 , 3, 931-43	360
2211	Genetic and epigenetic mosaicism in cancer precursor tissues. 2003 , 983, 43-54	27
2210	Methylation-sensitive representational difference analysis and its application to cancer research. 2003 , 983, 131-41	44
2209	Epidemiologic considerations to assess altered DNA methylation from environmental exposures in cancer. 2003 , 983, 181-96	39
2208	Early detection and risk assessment: proceedings and recommendations from the Workshop on Epigenetics in Cancer Prevention. 2003 , 983, 298-319	33
2207	Definitions in Epigenetics. 2003 , 983, 321-328	3
2206	Human pancreatic carcinoma cells activate maspin expression through loss of epigenetic control. 2003 , 5, 427-36	36
2205	Gene silencing in cancer in association with promoter hypermethylation. 2003 , 349, 2042-54	2694
2204	Frequent promoter methylation of CDH1, DAPK, RARB, and HIC1 genes in carcinoma of cervix uteri: its relationship to clinical outcome. 2003 , 2, 24	166
2203	Molecular pathogenesis of malignant mesothelioma and its relationship to simian virus 40. 2003 , 5, 177-81	55
2202	Methyl-CpG binding proteins identify novel sites of epigenetic inactivation in human cancer. 2003 , 22, 6335-45	255
2201	Histone deacetylases (HDACs): characterization of the classical HDAC family. 2003 , 370, 737-49	2326
2200	Generation and characterization of methyl-lysine histone antibodies. 2004 , 376, 234-54	83

2199	Methylation target array for rapid analysis of CpG island hypermethylation in multiple tissue genomes. 2003 , 163, 37-45	83
2198	Studies on the molecular pathogenesis of extraskeletal myxoid chondrosarcoma-cytogenetic, molecular genetic, and cDNA microarray analyses. 2003 , 162, 781-92	96
2197	Effects of 5-aza-2'-deoxycytidine on matrix metalloproteinase expression and pancreatic cancer cell invasiveness. 2003 , 95, 327-30	96
2196	Transposable elements: targets for early nutritional effects on epigenetic gene regulation. 2003 , 23, 5293-300	1646
2195	DNA methylation controls the responsiveness of hepatoma cells to leukemia inhibitory factor. 2003 , 38, 1516-1528	16
2194	Catalytic mechanism of DNA-(cytosine-C5)-methyltransferases revisited: covalent intermediate formation is not essential for methyl group transfer by the murine Dnmt3a enzyme. 2003 , 329, 675-84	59
2193	Establishment and functional validation of a structural homology model for human DNA methyltransferase 1. 2003 , 306, 558-63	48
2192	Effects of cadmium on DNA-(Cytosine-5) methyltransferase activity and DNA methylation status during cadmium-induced cellular transformation. 2003 , 286, 355-65	364
2191	The rise of DNA methylation and the importance of chromatin on multidrug resistance in cancer. 2003 , 290, 177-94	74
2190	Epigenetic gene silencing in cancer initiation and progression. 2003 , 190, 125-33	141
2189	Genetic alterations in cancer as a result of breakage at fragile sites. 2003 , 192, 1-17	89
2188	Mutation of the DNA methyltransferase (DNMT) 1 gene in human colorectal cancers. 2003 , 192, 75-82	110
2187	Molecular pathways to prostate cancer. 2003 , 170, 2444-52	88
2186	DNA methylation in animal development. 2003 , 14, 53-65	70
2185	Stealth technology: how Epstein-Barr virus utilizes DNA methylation to cloak itself from immune detection. 2003 , 109, 53-63	71
2184	Mammalian DNA (cytosine-5) methyltransferases and their expression. 2003 , 109, 6-16	80
2183	Increased DNA methyltransferase 1 protein expression in human transitional cell carcinoma of the bladder. 2003 , 170, 2463-6	60
2182	Predicting aberrant CpG island methylation. 2003 , 100, 12253-8	217

2181	CpG content affects gene silencing in mice: evidence from novel transgenes. 2003 , 4, R53	51
2180	Site-selective in vivo targeting of cytosine-5 DNA methylation by zinc-finger proteins. 2003 , 31, 6493-501	59
2179	DNA methylation patterns in cancer: novel prognostic indicators?. 2003 , 3, 245-60	17
2178	Genetic unmasking of epigenetically silenced tumor suppressor genes in colon cancer cells deficient in DNA methyltransferases. 2003 , 12, 2209-19	104
2177	GATA-4 and GATA-5 transcription factor genes and potential downstream antitumor target genes are epigenetically silenced in colorectal and gastric cancer. 2003 , 23, 8429-39	218
2176	Capillary electrophoretic analysis of genomic DNA methylation levels. 2003 , 31, E2	106
2175	A potent cell-active allosteric inhibitor of murine DNA cytosine C5 methyltransferase. 2003 , 278, 8238-43	27
2174	Silencing of mouse Aprt is a gradual process in differentiated cells. 2003 , 23, 4461-70	23
2173	Genes and transposons are differentially methylated in plants, but not in mammals. 2003 , 13, 2658-64	108
2172	A Dnmt2-like protein mediates DNA methylation in Drosophila. 2003 , 130, 5083-90	172
2171	Cancer. An unstable liaison. 2003 , 300, 442-3	43
2170	Methylated DNA-binding domain 1 and methylpurine-DNA glycosylase link transcriptional repression and DNA repair in chromatin. 2003 , 100, 12859-64	58
2169	Analysis and accurate quantification of CpG methylation by MALDI mass spectrometry. 2003 , 31, e50	97
2168	Heterochromatin: stable and unstable invasions at home and abroad. 2003 , 17, 1805-12	40
2167	DNA hypermethylation in Drosophila melanogaster causes irregular chromosome condensation and dysregulation of epigenetic histone modifications. 2003 , 23, 2577-86	29
2166	MBDin, a novel MBD2-interacting protein, relieves MBD2 repression potential and reactivates transcription from methylated promoters. 2003 , 23, 1656-65	40
2165	Genetics of neuroendocrine and carcinoid tumours. 2003 , 10, 437-50	115
2164	The role of DNA hypermethylation in the pathogenesis and prognosis of acute lymphoblastic leukemia. 2003 , 44, 1855-64	16

2163	A role for poly(ADP-ribosyl)ation in DNA methylation. 2003 , 81, 197-208	14
2162	Aberrant methylation of suppressor of cytokine signalling-1 (SOCS-1) gene in pancreatic ductal neoplasms. 2003 , 89, 338-43	110
2161	LOT1 (PLAGL1/ZAC1), the candidate tumor suppressor gene at chromosome 6q24-25, is epigenetically regulated in cancer. 2003 , 278, 6041-9	85
2160	Epigenetic regulation of a novel tumor suppressor gene (hDAB2IP) in prostate cancer cell lines. 2003 , 278, 3121-30	111
2159	The human Dnmt2 has residual DNA-(cytosine-C5) methyltransferase activity. 2003 , 278, 31717-21	159
2158	Human thymine DNA glycosylase (TDG) and methyl-CpG-binding protein 4 (MBD4) excise thymine glycol (Tg) from a Tg:G mispair. 2003 , 31, 5399-404	62
2157	Paternal and maternal genomes confer opposite effects on proliferation, cell-cycle length, senescence, and tumor formation. 2003 , 100, 13344-9	74
2156	The epigenome as a target for cancer chemoprevention. 2003 , 95, 1747-57	90
2155	DNA methylation, smooth muscle cells, and atherogenesis. 2003 , 23, 1750-3	92
2154	Inhibition of DNA methylation and reactivation of silenced genes by zebularine. 2003 , 95, 399-409	430
2153	In search of an early warning system for pancreatic cancer. 2003 , 2, 84-6	9
2152	DNA variants of DLC-1, a candidate tumor suppressor gene in human hepatocellular carcinoma. 2003 , 23, 133	1
2151	Silencing of CDX2 expression in colon cancer via a dominant repression pathway. 2003 , 278, 44608-16	75
2150	Genomic targets of the human c-Myc protein. 2003 , 17, 1115-29	723
2149	Fidelity of the methylation pattern and its variation in the genome. 2003 , 13, 868-74	125
2148	An epigenetic approach for finding tumor suppressors. 2003 , 2, 25-6	11
2147	Mitoxantrone mediates demethylation and reexpression of cyclin d2, estrogen receptor and 14.3.3sigma in breast cancer cells. 2003 , 2, 259-63	24
2146	The interaction of histone deacetylase inhibitors and DNA methyltransferase inhibitors in the treatment of human cancer cells. 2003 , 3, 187-99	171

2145	Diagnosing pancreatic cancer using methylation specific PCR analysis of pancreatic juice. 2003 , 2, 78-83	91
2144	Noninvasive molecular detection of cancer -- the bench and the bedside. 2003 , 10, 691-706	17
2143	Oligodendroglioma: toward molecular definitions in diagnostic neuro-oncology. 2003 , 62, 111-26	249
2142	Interaction of 5-aza-2'-deoxycytidine and depsipeptide on antineoplastic activity and activation of 14-3-3sigma, E-cadherin and tissue inhibitor of metalloproteinase 3 expression in human breast carcinoma cells. 2003 , 14, 193-202	36
2141	Myelodysplastic syndrome. 2003 , 2003, 176-99	37
2140	Aberrant DNA methylation of p57KIP2 identifies a cell-cycle regulatory pathway with prognostic impact in adult acute lymphocytic leukemia. 2003 , 101, 4131-6	113
2139	. 2003 ,	3
2138	Genomic Plasticity and Information Processing by Transcription Coregulators. 2003 , 1, 65-76	18
2137	Malignant melanoma 2003: predisposition, diagnosis, prognosis, and staging. 2003 , 120 Suppl, S101-27	9
2136	Epigenomic profiling using microarrays. 2003 , 35, 346-50, 352-4, 356-7	49
2135	Analysis and quantification of multiple methylation variable positions in CpG islands by Pyrosequencing. 2003 , 35, 152-6	226
2134	How Does Dna Methylation Mark the Fate of Cells?. 2004 , 90, 367-372	13
2133	Methylation-specific PCR unraveled. 2004 , 26, 291-9	47
2132	SIRPH analysis: SNUPE with IP-RP-HPLC for quantitative measurements of DNA methylation at specific CpG sites. 2004 , 287, 195-205	24
2131	Enhancement of antineoplastic action of 5-aza-2'-deoxycytidine by phenylbutyrate on L1210 leukemic cells. 2004 , 45, 147-54	17
2130	Quantitative multiplex methylation-specific PCR assay for the detection of promoter hypermethylation in multiple genes in breast cancer. 2004 , 64, 4442-52	223
2129	Methylation in the core-promoter region of the chondromodulin-I gene determines the cell-specific expression by regulating the binding of transcriptional activator Sp3. 2004 , 279, 28789-97	35
2128	Procollagen type I amino-terminal propeptide: pediatric reference data and relationship with procollagen type I carboxyl-terminal propeptide. 2004 , 50, 2173-6	24

2127	DNA methylation profiles of lymphoid and hematopoietic malignancies. 2004 , 10, 2928-35	57
2126	Molecular profiling and classification of sporadic renal cell carcinoma by quantitative methylation analysis. 2004 , 10, 7276-83	41
2125	Rapid detection of the severe acute respiratory syndrome (SARS) coronavirus by a loop-mediated isothermal amplification assay. 2004 , 50, 1050-2	100
2124	Association of epigenetic inactivation of RASSF1A with poor outcome in human neuroblastoma. 2004 , 10, 8493-500	73
2123	The role of chromatin in molecular mechanisms of toxicity. 2004 , 80, 218-24	20
2122	Methylation and epigenetic fidelity. 2004 , 101, 4-5	88
2121	Growth retardation and premature aging phenotypes in mice with disruption of the SNF2-like gene, PASG. 2004 , 18, 1035-46	143
2120	The clinical application of targeting cancer through histone acetylation and hypomethylation. 2004 , 10, 4589-96	96
2119	Detection of epigenetic changes in fecal DNA as a molecular screening test for colorectal cancer: a feasibility study. 2004 , 50, 2179-82	44
2118	CpG hypermethylation of MDR1 gene contributes to the pathogenesis and progression of human prostate cancer. 2004 , 64, 5956-62	77
2117	MAGE-A1 interacts with adaptor SKIP and the deacetylase HDAC1 to repress transcription. 2004 , 32, 4340-50	80
2116	Doxorubicin inhibits DNMT1, resulting in conditional apoptosis. 2004 , 66, 1415-20	83
2115	Analysis of methylated genes in peritoneal fluids of ovarian cancer patients: a new prognostic tool. 2004 , 50, 2171-3	34
2114	Ontogeny of a demethylation domain and its relationship to activation of tissue-specific transcription. 2004 , 71, 837-44	27
2113	Continuous zebularine treatment effectively sustains demethylation in human bladder cancer cells. 2004 , 24, 1270-8	183
2112	Association of breast cancer DNA methylation profiles with hormone receptor status and response to tamoxifen. 2004 , 64, 3807-13	284
2111	Epigenetics and cancer. 2004 , 18, 2315-35	352
2110	Isolation and characterization of a novel DNA methyltransferase complex linking DNMT3B with components of the mitotic chromosome condensation machinery. 2004 , 32, 2716-29	98

2109	Reprogramming of a melanoma genome by nuclear transplantation. 2004 , 18, 1875-85	274
2108	Diagnostic Arrays for Epigenetic Markers: YU-WEI LEU AND TIM H.-M. HUANG, Human Cancer Genetics Program, The Ohio State University Comprehensive Cancer Center, Medical Research Facility, Columbus, Ohio 43210. 2004 , 32, 139-139	
2107	Applications of genomic microarrays to explore human chromosome structure and function. 2004 , 13 Spec No 2, R297-302	14
2106	RNA interference-mediated knockdown of DNA methyltransferase 1 leads to promoter demethylation and gene re-expression in human lung and breast cancer cells. 2004 , 64, 3137-43	144
2105	RGS6 interacts with DMAP1 and DNMT1 and inhibits DMAP1 transcriptional repressor activity. 2004 , 279, 14120-8	46
2104	Hypermethylation of a small CpGuanine-rich region correlates with loss of activator protein-2alpha expression during progression of breast cancer. 2004 , 64, 1611-20	63
2103	Promoter hypermethylation of FANCF: disruption of Fanconi Anemia-BRCA pathway in cervical cancer. 2004 , 64, 2994-7	165
2102	Regulation of RARbeta1 expression in head and neck cancer cells by cell density-dependent chromatin remodeling. 2004 , 3, 1002-6	6
2101	Mammalian DNA Methyltransferase 1: Inspiration for New Directions. 2004 , 3, 1022-1024	14
2100	Quantitative detection of promoter hypermethylation of multiple genes in the tumor, urine, and serum DNA of patients with renal cancer. 2004 , 64, 5511-7	200
2099	Molecular targets for cancer therapy and prevention. 2004 , 125, 975-1015	11
2098	DNA methylation changes in sera of women in early pregnancy are similar to those in advanced breast cancer patients. 2004 , 50, 1065-8	22
2097	Induction in myeloid leukemic cells of genes that are expressed in different normal tissues. 2004 , 101, 16022-7	10
2096	Detection of methylated apoptosis-associated genes in urine sediments of bladder cancer patients. 2004 , 10, 7457-65	186
2095	Activation-induced cytidine deaminase deaminates 5-methylcytosine in DNA and is expressed in pluripotent tissues: implications for epigenetic reprogramming. 2004 , 279, 52353-60	399
2094	The histone deacetylase inhibitor NVP-LAQ824 inhibits angiogenesis and has a greater antitumor effect in combination with the vascular endothelial growth factor receptor tyrosine kinase inhibitor PTK787/ZK222584. 2004 , 64, 6626-34	208
2093	Role of human ribosomal RNA (rRNA) promoter methylation and of methyl-CpG-binding protein MBD2 in the suppression of rRNA gene expression. 2004 , 279, 6783-93	145
2092	Cancer chemotherapy targeted at reactivating the expression of epigenetically inactivated genes. 2004 , 22, 1353-5	10

2091	The PWWP domain of Dnmt3a and Dnmt3b is required for directing DNA methylation to the major satellite repeats at pericentric heterochromatin. 2004 , 24, 9048-58	206
2090	Demethylation of the synuclein gamma gene CpG island in primary gastric cancers and gastric cancer cell lines. 2004 , 10, 2447-51	53
2089	Retinoic acid receptor beta2 hypermethylation: implications for prostate cancer detection, prevention, and therapy. 2004 , 10, 3935-6	7
2088	MethylQuant: a sensitive method for quantifying methylation of specific cytosines within the genome. 2004 , 32, e168	62
2087	Wnt inhibitory factor-1 is silenced by promoter hypermethylation in human lung cancer. 2004 , 64, 4717-20	253
2086	Histone deacetylase (HDAC) inhibitor activation of p21WAF1 involves changes in promoter-associated proteins, including HDAC1. 2004 , 101, 1241-6	508
2085	Modification of de novo DNA methyltransferase 3a (Dnmt3a) by SUMO-1 modulates its interaction with histone deacetylases (HDACs) and its capacity to repress transcription. 2004 , 32, 598-610	102
2084	Transcriptional silencing of the Dickkopfs-3 (Dkk-3) gene by CpG hypermethylation in acute lymphoblastic leukaemia. 2004 , 91, 707-13	90
2083	Epigenetic inactivation of SLIT3 and SLIT1 genes in human cancers. 2004 , 91, 2071-8	111
2082	DNA hypomethylation and ovarian cancer biology. 2004 , 64, 4472-80	193
2081	Differential expression of a novel ankyrin containing E3 ubiquitin-protein ligase, Hace1, in sporadic Wilms' tumor versus normal kidney. 2004 , 13, 2061-74	89
2080	Nuclear transplantation, embryonic stem cells and the potential for cell therapy. 2004 , 5 Suppl 3, S114-7	59
2079	Limited gene activation in tumor and normal epithelial cells treated with the DNA methyltransferase inhibitor 5-aza-2'-deoxycytidine. 2004 , 65, 18-27	125
2078	Frequent hypomethylation in multiple promoter CpG islands is associated with global hypomethylation, but not with frequent promoter hypermethylation. 2004 , 95, 58-64	109
2077	p16INK4a and p14ARF tumor suppressor genes are commonly inactivated in cutaneous squamous cell carcinoma. 2004 , 122, 1284-92	113
2076	Mutations in SEC63 cause autosomal dominant polycystic liver disease. 2004 , 36, 575-7	224
2075	CpG island hypermethylation is maintained in human colorectal cancer cells after RNAi-mediated depletion of DNMT1. 2004 , 36, 582-4	76
2074	Cancer genes and the pathways they control. 2004 , 10, 789-99	3175

2073	Gene-promoter hypermethylation as a biomarker in lung cancer. 2004 , 4, 707-17	431
2072	Hallmarks of 'BRCAness' in sporadic cancers. 2004 , 4, 814-9	1268
2071	CpG island methylator phenotype in cancer. 2004 , 4, 988-93	870
2070	Silencing of transgene transcription precedes methylation of promoter DNA and histone H3 lysine 9. 2004 , 23, 138-49	242
2069	The rise and fall of genomic methylation in cancer. 2004 , 18, 233-7	33
2068	DNA methylation changes in multiple myeloma. 2004 , 18, 1687-92	108
2067	Identification of Krüppel-like factor 4 as a potential tumor suppressor gene in colorectal cancer. 2004 , 23, 395-402	251
2066	PMP24, a gene identified by MSRF, undergoes DNA hypermethylation-associated gene silencing during cancer progression in an LNCaP model. 2004 , 23, 250-9	30
2065	Epigenetic silencing of the adhesion molecule ADAM23 is highly frequent in breast tumors. 2004 , 23, 1481-8	60
2064	Identification of maspin and S100P as novel hypomethylation targets in pancreatic cancer using global gene expression profiling. 2004 , 23, 1531-8	140
2063	Methylation of the retinoid response gene TIG1 in prostate cancer correlates with methylation of the retinoic acid receptor beta gene. 2004 , 23, 2241-9	69
2062	Transcription repression in oncogenic transformation: common targets of epigenetic repression in cells transformed by Fos, Ras or Dnmt1. 2004 , 23, 3737-48	63
2061	Profiling epigenetic inactivation of tumor suppressor genes in tumors and plasma from cutaneous melanoma patients. 2004 , 23, 4014-22	211
2060	RARBeta2 is a candidate tumor suppressor gene in myelofibrosis with myeloid metaplasia. 2004 , 23, 7846-53	41
2059	Maspin expression in normal lung and non-small-cell lung cancers: cellular property-associated expression under the control of promoter DNA methylation. 2004 , 23, 4041-9	48
2058	Growth inhibition and induction of apoptosis in mesothelioma cells by selenium and dependence on selenoprotein SEP15 genotype. 2004 , 23, 5032-40	75
2057	Genetic susceptibility to tobacco-related cancer. 2004 , 23, 6500-23	130
2056	Identifying novel homozygous deletions by microsatellite analysis and characterization of tumor suppressor candidate 1 gene, TUSC1, on chromosome 9p in human lung cancer. 2004 , 23, 6612-20	25

2055	AKAP12/Gravin is inactivated by epigenetic mechanism in human gastric carcinoma and shows growth suppressor activity. 2004 , 23, 7095-103	79
2054	Prostate cancer is characterized by epigenetic silencing of 14-3-3sigma expression. 2004 , 23, 9034-41	73
2053	The ATM gene is a target for epigenetic silencing in locally advanced breast cancer. 2004 , 23, 9432-7	86
2052	Epigenetic inactivation of class II transactivator (CIITA) is associated with the absence of interferon-gamma-induced HLA-DR expression in colorectal and gastric cancer cells. 2004 , 23, 8876-86	88
2051	Demethylation of MAGE promoters during gastric cancer progression. 2004 , 90, 838-43	71
2050	Abnormality of the DNA double-strand-break checkpoint/repair genes, ATM, BRCA1 and TP53, in breast cancer is related to tumour grade. 2004 , 90, 1995-2001	47
2049	Coordinate hypermethylation at specific genes in prostate carcinoma precedes LINE-1 hypomethylation. 2004 , 91, 985-94	146
2048	Promoter hypermethylation silences cyclooxygenase-2 (Cox-2) and regulates growth of human hepatocellular carcinoma cells. 2004 , 84, 1050-9	53
2047	Epigenetics in human disease and prospects for epigenetic therapy. 2004 , 429, 457-63	2442
2046	Establishment of a detection system for demethylating agents using an endogenous promoter CpG island. 2004 , 568, 187-94	11
2045	DNA damage and mutations produced by chloroacetaldehyde in a CpG-methylated target gene. 2004 , 568, 245-56	12
2044	The epigenetics of cancer etiology. 2004 , 14, 427-32	272
2043	Genetic alterations and DNA repair in human carcinogenesis. 2004 , 14, 441-8	65
2042	[Folate metabolism and colorectal carcinogenesis]. 2004 , 28, 582-92	4
2041	Molecular mechanisms of prostate cancer. 2004 , 45, 683-91	56
2040	Molecular biomarker in prostate cancer: the role of CpG island hypermethylation. 2004 , 46, 698-708	86
2039	DNA methylation in prostate cancer. 2004 , 1704, 87-102	50
2038	Epigenetic regulation of the taxol resistance-associated gene TRAG-3 in human tumors. 2004 , 151, 1-13	27

2037	Preferential response of cancer cells to zebularine. 2004 , 6, 151-8	255
2036	Epigenetic and genetic loss of Hic1 function accentuates the role of p53 in tumorigenesis. 2004 , 6, 387-98	141
2035	The epigenetics of ovarian cancer drug resistance and resensitization. 2004 , 191, 1552-72	137
2034	Recombinant protein expression plasmids optimized for industrial E. coli fermentation and plant systems produce biologically active human insulin-like growth factor-1 in transgenic rice and tobacco plants. 2004 , 13, 245-59	35
2033	Beyond genetics--the emerging role of epigenetic changes in hematopoietic malignancies. 2004 , 80, 120-7	8
2032	A new compact disc format of high density array synthesis applied to peptide nucleic acids and in situ MALDI analysis. 2004 , 8, 197-207	9
2031	Prognostic DNA methylation marker in serum of cancer patients. 2004 , 1022, 44-9	71
2030	Silencing of negative regulator of JAK/STAT in colorectal cancer. 2004 , 39, 200-1	1
2029	Alterations in gene expression associated with the overexpression of a splice variant of DNA methyltransferase 3b, DNMT3b4, during human hepatocarcinogenesis. 2004 , 130, 636-44	18
2028	A DNA microarray-based methylation-sensitive (MS)-AFLP hybridization method for genetic and epigenetic analyses. 2004 , 271, 678-86	21
2027	Acetylation of proteins as novel target for antitumor therapy: review article. 2004 , 26, 435-41	65
2026	Promoter methylation pattern of caspase-8, P16INK4A, MGMT, TIMP-3, and E-cadherin in medulloblastoma. 2004 , 10, 17-21	38
2025	Pathology and molecular genetics of oligodendroglial tumors. 2004 , 82, 638-55	39
2024	Gene silencing in DNA damage repair. 2004 , 61, 2168-72	5
2023	Functional links between transcription, DNA repair and apoptosis. 2004 , 61, 2173-80	21
2022	Epigenetic alterations in head and neck cancer: prevalence, clinical significance, and implications. 2004 , 6, 152-61	36
2021	Down-regulation of SHP1 and up-regulation of negative regulators of JAK/STAT signaling in HTLV-1 transformed cell lines and freshly transformed human peripheral blood CD4+ T-cells. 2004 , 28, 71-82	21
2020	Heterogeneous gene methylation patterns among pre-invasive and cancerous lesions of the prostate: a histopathologic study of whole mount prostate specimens. 2004 , 60, 25-31	54

2019	Problems of somatic mutation and cancer. 2004 , 26, 291-9	90
2018	Quantitative analysis of DNA methylation in chronic lymphocytic leukemia patients. 2004 , 25, 1530-5	46
2017	Folate, colorectal carcinogenesis, and DNA methylation: lessons from animal studies. 2004 , 44, 10-25	157
2016	Correlation between histone acetylation and expression of the MYO18B gene in human lung cancer cells. 2004 , 40, 146-51	28
2015	DNA-methylation analysis identifies the E-cadherin gene as a potential marker of disease progression in patients with monoclonal gammopathies. 2004 , 100, 2598-606	61
2014	Novel therapies for myelodysplastic syndromes. 2004 , 101, 226-41	41
2013	Denaturing high-performance liquid chromatography (DHPLC) as a reliable high-throughput prescreening method for aberrant promoter methylation in cancer. 2004 , 23, 612-20	14
2012	Frequent epigenetic inactivation of RIZ1 by promoter hypermethylation in human gastric carcinoma. 2004 , 110, 212-8	51
2011	Hypermethylation of tumor suppressor genes (p16INK4A, p14ARF and APC) in adenocarcinomas of the upper gastrointestinal tract. 2004 , 111, 224-8	68
2010	Reduced expression of MYO18B, a candidate tumor-suppressor gene on chromosome arm 22q, in ovarian cancer. 2004 , 112, 150-4	44
2009	Epigenetic inactivation of SOCS-1 by CpG island hypermethylation in human gastric carcinoma. 2004 , 112, 1003-9	90
2008	GSTP1 CpG island hypermethylation as a molecular biomarker for prostate cancer. 2004 , 91, 540-52	169
2007	Characterization of DNA demethylation in normal and cancerous cell lines and the regulatory role of cell cycle proteins in human DNA demethylase activity. 2004 , 91, 572-83	29
2006	ATP-dependent nucleosome remodeling complexes: enzymes tailored to deal with chromatin. 2004 , 91, 1087-98	82
2005	Alterations of the Dutt1/Robo1 gene in lung adenocarcinomas induced by N-nitrosobis(2-hydroxypropyl)amine in rats. 2004 , 40, 241-6	10
2004	Molecular diagnostic applications of DNA methylation technology. 2004 , 37, 595-604	51
2003	Preference of DNA methyltransferases for CpG islands in mouse embryonic stem cells. 2004 , 14, 1733-40	62
2002	p14ARF, p15INK4b and p16INK4a methylation status in chronic myelogenous leukemia. 2004 , 45, 1989-94	26

2001	Histone deacetylase inhibitors in clinical development. 2004 , 13, 21-38	88
2000	A molecular understanding of mitoxantrone-DNA adduct formation: effect of cytosine methylation and flanking sequences. 2004 , 279, 18814-23	54
1999	Aberrant gene expression in human non small cell lung carcinoma cells exposed to demethylating agent 5-aza-2'-deoxycytidine. 2004 , 6, 412-9	38
1998	Implications of cloning technique for reproductive medicine. 2004 , 8, 509-15	8
1997	DNA methylation and cancer. 2004 , 22, 4632-42	871
1996	A simple method for estimating global DNA methylation using bisulfite PCR of repetitive DNA elements. 2004 , 32, e38	791
1995	Gene transfer and expression in mammalian cell lines and transgenic animals. 2004 , 267, 417-33	6
1994	L1 and HERV-W retrotransposons are hypomethylated in human ovarian carcinomas. 2004 , 3, 12	98
1993	Aberrant CBFA2T3B gene promoter methylation in breast tumors. 2004 , 3, 22	11
1992	A CpG island hypermethylation profile of primary colorectal carcinomas and colon cancer cell lines. 2004 , 3, 28	122
1991	Identification of a three-gene expression signature of poor-prognosis breast carcinoma. 2004 , 3, 37	25
1990	Epigenetics Protocols. 2004 ,	4
1989	Management of Prostate Cancer. 2004 ,	2
1988	Epigenetic profiling in chronic lymphocytic leukemia reveals novel methylation targets. 2004 , 64, 2424-33	120
1987	Inactivation of class II transactivator by DNA methylation and histone deacetylation associated with absence of HLA-DR induction by interferon-gamma in haematopoietic tumour cells. 2004 , 90, 844-52	50
1986	Prostate cancer chemoprevention agent development: the National Cancer Institute, Division of Cancer Prevention portfolio. 2004 , 171, S68-74; discussion S75	23
1985	Recombinant Gene Expression. 2004 ,	8
1984	Chemically induced DNA hypomethylation in breast carcinoma cells detected by the amplification of intermethylated sites. 2004 , 6, R329-37	24

1983	The DNMT3B C-->T promoter polymorphism and risk of breast cancer in a British population: a case-control study. 2004 , 6, R390-4	61
1982	Regulation of malignant progression by the hypoxia-sensitive transcription factors HIF-1alpha and MTF-1. 2004 , 139, 495-507	16
1981	Hypermethylation of the RASSF1A gene in gliomas. 2004 , 349, 173-9	26
1980	A survey of gene-specific methylation in human prostate cancer among black and white men. 2004 , 205, 181-8	69
1979	A DNA methylation pattern similar to normal tissue is associated with better prognosis in human cervical cancer. 2004 , 209, 231-6	19
1978	DNMT3B interacts with hSNF2H chromatin remodeling enzyme, HDACs 1 and 2, and components of the histone methylation system. 2004 , 318, 544-55	97
1977	Effects of chromatin structure on the enzymatic and DNA binding functions of DNA methyltransferases DNMT1 and Dnmt3a in vitro. 2004 , 322, 110-8	58
1976	A NotI-EcoRV promoter library for studies of genetic and epigenetic alterations in mouse models of human malignancies. 2004 , 84, 647-60	23
1975	Cloning, expression, and purification of 5,10-methenyltetrahydrofolate synthetase from Mus musculus. 2004 , 35, 276-83	13
1974	Detection of GSTP1 methylation in prostatic secretions using combinatorial MSP analysis. 2004 , 63, 414-8	48
1973	Increased DNA methyltransferase 1 (DNMT1) protein expression correlates significantly with poorer tumor differentiation and frequent DNA hypermethylation of multiple CpG islands in gastric cancers. 2004 , 164, 689-99	240
1972	Aberrant methylation and down-regulation of TMS1/ASC in human glioblastoma. 2004 , 165, 1151-61	96
1971	Flipping the epigenetic switch. 2004 , 164, 1883-6	16
1970	Genotoxicity of environmental tobacco smoke: a review. 2004 , 567, 427-45	132
1969	Genomic surgery for lung cancer. 2004 , 117, 107-13	5
1968	Methylation-sensitive single-strand conformation analysis: a rapid method to screen for and analyze DNA methylation. 2004 , 287, 181-93	17
1967	Fragile sites and cancer genes on the short arm of chromosome 8. 2004 , 5, 77; discussion 77	5
1966	Sp1 is involved in the transcriptional activation of p16(INK4) by p21(Waf1) in HeLa cells. 2004 , 564, 199-204	20

1965	MDR1 promoter hypermethylation in MCF-7 human breast cancer cells: changes in chromatin structure induced by treatment with 5-Aza-cytidine. 2004 , 3, 540-8	76
1964	Loss of estrogen receptor signaling triggers epigenetic silencing of downstream targets in breast cancer. 2004 , 64, 8184-92	166
1963	Lysyl oxidase is a tumor suppressor gene inactivated by methylation and loss of heterozygosity in human gastric cancers. 2004 , 64, 6410-5	142
1962	Histone deacetylase inhibitors. 2004 , 91, 137-68	390
1961	Methylenetetrahydrofolate reductase C677T polymorphism, folic acid and riboflavin are important determinants of genome stability in cultured human lymphocytes. 2004 , 134, 48-56	126
1960	Will mandatory folic acid fortification prevent or promote cancer?. 2004 , 80, 1123-8	245
1959	Identification of the E1A-regulated transcription factor p120 E4F as an interacting partner of the RASSF1A candidate tumor suppressor gene. 2004 , 64, 102-7	62
1958	Review of: Demethylation of urokinase promoter as a prognostic marker in patients with breast carcinoma. 2004 , 7,	
1957	Promoter hypermethylation of cancer-related genes: a strong independent prognostic factor in acute lymphoblastic leukemia. 2004 , 104, 2492-8	188
1956	Comparative analysis of DNA methylation patterns in transgenic Drosophila overexpressing mouse DNA methyltransferases. 2004 , 378, 763-8	37
1955	Zebularine: a new drug for epigenetic therapy. 2004 , 32, 910-2	148
1954	DNA Methylation, Cancer Susceptibility, and Nutrient Interactions. 2004 , 229, 988-995	300
1953	Less frequent promoter hypermethylation of DLC-1 gene in primary breast cancers. 2004 , 12, 141	
1952	21 Role of Immunohistochemical Expression of DNA Methyltransferase 1 Protein in Gastric Carcinoma. 2005 , 257-261	
1951	Nutritional epigenetics: impact of folate deficiency on DNA methylation and colon cancer susceptibility. 2005 , 135, 2703-9	200
1950	Nutritional "omics" technologies for elucidating the role(s) of bioactive food components in colon cancer prevention. 2005 , 135, 2694-7	34
1949	Phenotype of microsatellite-stable colorectal carcinomas with CpG island methylation. 2005 , 29, 429-36	54
1948	Richter's syndrome: biology and therapy. 2005 , 11, 161-74	19

1947	IFN unresponsiveness in LNCaP cells due to the lack of JAK1 gene expression. 2005 , 65, 3447-53	130
1946	Antileukemia activity of the combination of 5-aza-2'-deoxycytidine with valproic acid. 2005 , 29, 739-48	148
1945	Aberrant DNA methylation of a cell cycle regulatory pathway composed of P73, P15 and P57KIP2 is a rare event in children with acute lymphocytic leukemia. 2005 , 29, 881-5	15
1944	Effects of alcohol on folate metabolism: implications for carcinogenesis. 2005 , 35, 235-41	155
1943	Folate and its preventive potential in colorectal carcinogenesis. How strong is the biological and epidemiological evidence?. 2005 , 55, 13-36	29
1942	DNA methylation disturbances as novel therapeutic target in lung cancer: preclinical and clinical results. 2005 , 55, 1-11	57
1941	Germline epimutation: A basis for epigenetic disease in humans. 2005 , 1054, 68-77	40
1940	Zebularine: a unique molecule for an epigenetically based strategy in cancer chemotherapy. 2005 , 1058, 246-54	60
1939	Promoter methylation and loss of coding exons of the fragile histidine triad (FHIT) gene in intrahepatic cholangiocarcinomas. 2005 , 25, 1202-8	26
1938	Aberrant methylations in cancer cells: where do they come from?. 2005 , 96, 206-11	155
1937	Whole-genome analyses of loss of heterozygosity and methylation analysis of four tumor-suppressor genes in N-methyl-N'-nitro-N-nitrosoguanidine-induced rat stomach carcinomas. 2005 , 96, 409-13	23
1936	DNA methylation profiles of differentiated-type gastric carcinomas with distinct mucin phenotypes. 2005 , 96, 474-9	13
1935	DNA methylation of genes linked to retinoid signaling in squamous cell carcinoma of the esophagus: DNA methylation of CRBP1 and TIG1 is associated with tumor stage. 2005 , 96, 571-7	28
1934	International conference on the healthy effect of virgin olive oil. 2005 , 35, 421-4	217
1933	Aberrant DNA methylation associated with silencing BNIP3 gene expression in haematopoietic tumours. 2005 , 92, 1165-72	75
1932	Comparative epigenomics of leukemia. 2005 , 37, 211-2	5
1931	SWitching off methylated DNA. 2005 , 37, 212-3	8
1930	Global assessment of promoter methylation in a mouse model of cancer identifies ID4 as a putative tumor-suppressor gene in human leukemia. 2005 , 37, 265-74	152

1929	Chromosome-wide and promoter-specific analyses identify sites of differential DNA methylation in normal and transformed human cells. 2005 , 37, 853-62	1426
1928	Short double-stranded RNA induces transcriptional gene silencing in human cancer cells in the absence of DNA methylation. 2005 , 37, 906-10	227
1927	Trapped in action: direct visualization of DNA methyltransferase activity in living cells. 2005 , 2, 751-6	111
1926	Detection and interpretation of altered methylation patterns in cancer cells. 2005 , 5, 223-31	392
1925	Towards safe, non-viral therapeutic gene expression in humans. <i>Nature Reviews Genetics</i> , 2005 , 6, 299-310	483
1924	DNA methylation and human disease. <i>Nature Reviews Genetics</i> , 2005 , 6, 597-610	30.1 2005
1923	Epigenetic regulation of protein tyrosine phosphatases: potential molecular targets for cancer therapy. 2005 , 12, 665-72	49
1922	The role of epigenetic inactivation of 14-3-3sigma in human cancer. 2005 , 15, 237-46	63
1921	Epigenetic alterations in gastric carcinogenesis. 2005 , 15, 247-54	64
1920	Epigenetic changes in virus-associated human cancers. 2005 , 15, 262-71	73
1919	Loss of heterozygosity and histone hypoacetylation of the PINX1 gene are associated with reduced expression in gastric carcinoma. 2005 , 24, 157-64	33
1918	Modulation of DNMT1 activity by ADP-ribose polymers. 2005 , 24, 13-9	116
1917	Differential methylation of genes that regulate cytokine signaling in lymphoid and hematopoietic tumors. 2005 , 24, 732-6	48
1916	Retinoic acid targets DNA-methyltransferases and histone deacetylases during APL blast differentiation in vitro and in vivo. 2005 , 24, 1820-30	79
1915	Sequential 5-Aza 2'-deoxycytidine/depsipeptide FK228 treatment induces tissue factor pathway inhibitor 2 (TFPI-2) expression in cancer cells. 2005 , 24, 2386-97	39
1914	Methylation in the p21WAF1/cip1 promoter of Apc+/-, p21+/- mice and lack of response to sulindac. 2005 , 24, 2104-9	17
1913	Inactivation of the tissue inhibitor of metalloproteinases-2 gene by promoter hypermethylation in lymphoid malignancies. 2005 , 24, 4799-805	30
1912	Epigenetic silencing of TCEAL7 (Bex4) in ovarian cancer. 2005 , 24, 5089-100	51

1911	Expression of the candidate tumor suppressor gene hSRBC is frequently lost in primary lung cancers with and without DNA methylation. 2005 , 24, 6249-55	40
1910	Promoter CpG hypermethylation and downregulation of DICE1 expression in prostate cancer. 2005 , 24, 6667-75	22
1909	Hypermethylation of the prostacyclin synthase (PTGIS) promoter is a frequent event in colorectal cancer and associated with aneuploidy. 2005 , 24, 7320-6	39
1908	Genomic instability in radiation-induced mouse lymphoma from p53 heterozygous mice. 2005 , 24, 7924-34	27
1907	Inactivation of RASSF1A tumor suppressor gene by aberrant promoter hypermethylation in human pituitary adenomas. 2005 , 85, 464-73	45
1906	Methylated-CpG island recovery assay: a new technique for the rapid detection of methylated-CpG islands in cancer. 2005 , 85, 1172-80	185
1905	DNA deamination in immunity. 2005 , 203, 80-97	45
1904	Analysis of somatic NF1 promoter methylation in plexiform neurofibromas and Schwann cells. 2005 , 157, 181-6	23
1903	Cancer epigenetics is no Mickey Mouse. 2005 , 8, 267-8	37
1902	Promoter characterization of Semaphorin SEMA3F, a tumor suppressor gene. 2005 , 1730, 66-76	23
1901	Metabolic activation of zebularine, a novel DNA methylation inhibitor, in human bladder carcinoma cells. 2005 , 70, 121-33	69
1900	Cyclin D1 gene activation in human myeloma cells is independent of DNA hypomethylation or histone hyperacetylation. 2005 , 33, 652-9	9
1899	Targeting the epigenome for the treatment and prevention of lung cancer. 2005 , 32, 488-502	38
1898	Modulation of cell cycle components by epigenetic and genetic events. 2005 , 32, 452-7	61
1897	A single nucleotide polymorphism based approach for the identification and characterization of gene expression modulation using MassARRAY. 2005 , 573, 83-95	55
1896	Perspectives on the molecular epidemiology of aerodigestive tract cancers. 2005 , 592, 102-18	29
1895	Criteria to rationalize population screening to control oral cancer. 2005 , 41, 11-6	15
1894	Opposite alterations of DNA methyltransferase gene expression in endometrioid and serous endometrial cancers. 2005 , 96, 601-9	50

1893	Biallelic methylation and silencing of paternally expressed gene 3 (PEG3) in gynecologic cancer cell lines. 2005 , 99, 126-34	65
1892	Deregulation of DNA methyltransferases and loss of parental methylation at the insulin-like growth factor II (Igf2)/H19 loci in p53 knockout mice prior to tumor development. 2005 , 94, 585-96	44
1891	Physical and functional interactions between the human DNMT3L protein and members of the de novo methyltransferase family. 2005 , 95, 902-17	165
1890	Molecular markers in malignant cutaneous melanoma: gift horse or one-trick pony?. 2005 , 96, 473-83	9
1889	Translating the histone code into leukemia. 2005 , 96, 938-50	51
1888	Plasma folate, vitamin B12, and homocysteine and prostate cancer risk: a prospective study. 2005 , 113, 819-24	104
1887	Alterations of cancer-related genes in soft tissue sarcomas: hypermethylation of RASSF1A is frequently detected in leiomyosarcoma and associated with poor prognosis in sarcoma. 2005 , 114, 442-7	43
1886	Multiplicity of abnormal promoter methylation in lung adenocarcinomas from smokers and never smokers. 2005 , 114, 400-5	65
1885	5-Aza-2'-deoxycytidine induces p21WAF expression by demethylation of p73 leading to p53-independent apoptosis in myeloid leukemia. 2005 , 114, 683-95	91
1884	Aberrant methylation of Reprimo in human malignancies. 2005 , 115, 503-10	58
1883	Clinicopathologic and prognostic values of apolipoprotein D alterations in hepatocellular carcinoma. 2005 , 116, 105-9	17
1882	Ethnic group-related differences in CpG hypermethylation of the GSTP1 gene promoter among African-American, Caucasian and Asian patients with prostate cancer. 2005 , 116, 174-81	78
1881	Identification of 20 genes aberrantly methylated in human breast cancers. 2005 , 116, 407-14	119
1880	Aberrant promoter methylation of p16(INK4a), RARB2 and SEMA3B in bronchial aspirates from patients with suspected lung cancer. 2005 , 116, 720-5	44
1879	Dual-specificity phosphatase 1 and serum/glucocorticoid-regulated kinase are downregulated in prostate cancer. 2005 , 117, 738-45	62
1878	CpG methylation at promoter site -140 inactivates TGFbeta2 receptor gene in prostate cancer. 2005 , 104, 44-52	38
1877	DNA methyltransferase 1 expression and promoter methylation of E-cadherin in mucoepidermoid carcinoma. 2005 , 104, 1013-21	19
1876	DNA methylation of genes linked with retinoid signaling in gastric carcinoma: expression of the retinoid acid receptor beta, cellular retinol-binding protein 1, and tazarotene-induced gene 1 genes is associated with DNA methylation. 2005 , 104, 1609-19	32

1875	Stochastic gene expression, disruption of tissue averaging effects and cancer as a disease of development. 2005 , 27, 1277-85	60
1874	Epigenetics--an epicenter of gene regulation: histones and histone-modifying enzymes. 2005 , 44, 3186-216	235
1873	Epigenetik Ein Epizentrum der Genregulation: Histone und histonmodifizierende Enzyme. 2005 , 117, 3248-3280	38
1872	Hypermethylation patterns in the Fhit regulatory region are tissue specific. 2005 , 43, 175-81	9
1871	Histone modification in the TGFbetaRII gene promoter and its significance for responsiveness to HDAC inhibitor in lung cancer cell lines. 2005 , 44, 233-41	24
1870	Histone deacetylation in epigenetics: an attractive target for anticancer therapy. 2005 , 25, 261-309	278
1869	Distinction of acute lymphoblastic leukemia from acute myeloid leukemia through microarray-based DNA methylation analysis. 2005 , 84, 236-44	30
1868	Clinical implications of aberrant DNA methylation patterns in acute myelogenous leukemia. 2005 , 84 Suppl 1, 39-46	67
1867	Decitabine activates specific caspases downstream of p73 in myeloid leukemia. 2005 , 84 Suppl 1, 47-53	46
1866	Novel methods for analysis of genomic DNA methylation. 2005 , 381, 67-8	7
1865	The silence of the ribosomal RNA genes. 2005 , 62, 2067-79	53
1864	Upregulation of BNIP3 by 5-aza-2'-deoxycytidine sensitizes pancreatic cancer cells to hypoxia-mediated cell death. 2005 , 40, 504-10	56
1863	Epigenetic changes and repositioning determine the evolutionary fate of duplicated genes. 2005 , 70, 559-67	19
1862	The controversial denouement of vertebrate DNA methylation research. 2005 , 70, 568-75	24
1861	Methylation of the tumor suppressor gene RASSF1A in human tumors. 2005 , 70, 576-83	91
1860	Study of tissue-specific CpG methylation of DNA in extended genomic loci. 2005 , 70, 596-603	8
1859	DNA demethylation and carcinogenesis. 2005 , 70, 743-52	29
1858	Centriolar mechanisms of differentiation and replicative aging of higher animal cells. 2005 , 70, 1288-303	9

1857	Rb/E2F: a two-edged sword in the melanocytic system. 2005 , 24, 339-56	43
1856	The de novo methylation activity of Dnmt3a is distinctly different than that of Dnmt1. 2005 , 6, 6	38
1855	Histone H3 acetylation is associated with reduced p21(WAF1/CIP1) expression by gastric carcinoma. 2005 , 205, 65-73	60
1854	Upstream CpG island methylation of the PAX3 gene in human rhabdomyosarcomas. 2005 , 44, 328-37	23
1853	Structural and functional characterization of a 5,10-methenyltetrahydrofolate synthetase from <i>Mycoplasma pneumoniae</i> (GI: 13508087). 2005 , 61, 433-43	12
1852	Current strategies for the development of peptide-based anti-cancer therapeutics. 2005 , 11, 713-26	120
1851	New anti-cancer strategies: epigenetic therapies and biomarkers. 2005 , 10, 1897-931	57
1850	EPIGENETICS IN PROSTATE CANCER. 2005 , 213-242	
1849	[Epigenetics and cancer]. 2005 , 21, 405-11	11
1848	Circulating nucleic acids in plasma or serum (CNAPS) as prognostic and predictive markers in patients with solid neoplasias. 2005 , 21, 105-20	84
1847	Nutrigenetics in cancer research--folate metabolism and colorectal cancer. 2005 , 135, 2698-702	78
1846	MethylMapper: a method for high-throughput, multilocus bisulfite sequence analysis and reporting. 2005 , 39, 464, 466, 468 passim	10
1845	Epigenetic modification as an enabling mechanism for leukemic transformation. 2005 , 10, 1635-46	4
1844	Synthesis and biological evaluation of 2-, 3-, and 4-acylaminocinnamyl-N-hydroxyamides as novel synthetic HDAC inhibitors. 2005 , 1, 245-54	20
1843	Genome-Wide Searches for Mutations in Human Cancer. 2005 , 15-35	
1842	Immunodetection of 5'-methylcytosine on Giemsa-stained chromosomes. 2005 , 38, 527-8, 530	16
1841	The Epigenetics of Breast Carcinogenesis and Metastasis. 2005 , 6, 129-135	
1840	Silencing of genes by promoter hypermethylation: key event in rodent and human lung cancer. 2005 , 26, 1481-7	108

1839	Mechanisms of colon cancer prevention with and beyond COX-2 inhibition. 2005 , 5, 505-16	7
1838	Effects of dietary folate on the development and progression of mammary tumors in rats. 2005 , 26, 1603-12	48
1837	Cell and stage of transformation-specific effects of folate deficiency on methionine cycle intermediates and DNA methylation in an in vitro model. 2005 , 26, 981-90	81
1836	Molecular prostate cancer pathology: current issues and achievements. 2005 , 82-93	13
1835	Contribution of epigenetic silencing of tumor necrosis factor-related apoptosis inducing ligand receptor 1 (DR4) to TRAIL resistance and ovarian cancer. 2005 , 3, 335-43	123
1834	Diagnostic and therapeutic applications of epigenetics. 2005 , 35, 293-301	108
1833	Multiple markers for melanoma progression regulated by DNA methylation: insights from transcriptomic studies. 2005 , 26, 1856-67	96
1832	BRCA1 promoter methylation in sporadic breast cancer is associated with reduced BRCA1 copy number and chromosome 17 aneusomy. 2005 , 65, 10692-9	157
1831	Methyl CpG-binding domain protein 3 mediates cancer-selective cytotoxicity by histone deacetylase inhibitors via differential transcriptional reprogramming in lung cancer cells. 2005 , 65, 11400-10	18
1830	Chromatin modifying activity of leukaemia associated fusion proteins. 2005 , 14 Spec No 1, R77-84	54
1829	Histone deacetylase inhibitors decrease DNA methyltransferase-3B messenger RNA stability and down-regulate de novo DNA methyltransferase activity in human endometrial cells. 2005 , 65, 2684-9	126
1828	Shared epigenetic mechanisms in human and mouse gliomas inactivate expression of the growth suppressor SLC5A8. 2005 , 65, 3617-23	59
1827	Hereditary hormone excess: genes, molecular pathways, and syndromes. 2005 , 26, 615-61	64
1826	Enhancement of in vitro and in vivo tumor cell radiosensitivity by the DNA methylation inhibitor zebularine. 2005 , 11, 4571-9	92
1825	Epigenetic reactivation of tumor suppressor genes by a novel small-molecule inhibitor of human DNA methyltransferases. 2005 , 65, 6305-11	423
1824	Tocopherol-associated protein suppresses prostate cancer cell growth by inhibition of the phosphoinositide 3-kinase pathway. 2005 , 65, 9807-16	79
1823	Multiplexed profiling of candidate genes for CpG island methylation status using a flexible PCR/LDR/Universal Array assay. 2006 , 16, 282-9	32
1822	Parvovirus nonstructural proteins induce an epigenetic modification through histone acetylation in host genes and revert tumor malignancy to benignancy. 2005 , 79, 8886-93	17

1821	Detection of hypermethylated genes in women with and without cervical neoplasia. 2005 , 97, 273-82	153
1820	Epigenetic modulation of retinoic acid receptor beta2 by the histone deacetylase inhibitor MS-275 in human renal cell carcinoma. 2005 , 11, 3535-42	71
1819	Role of thioredoxin in the response of normal and transformed cells to histone deacetylase inhibitors. 2005 , 102, 673-8	430
1818	Promoter hypermethylation profile of ovarian epithelial neoplasms. 2005 , 11, 5365-9	118
1817	Interplay of RUNX1/MTG8 and DNA methyltransferase 1 in acute myeloid leukemia. 2005 , 65, 1277-84	122
1816	Impaired retinoic acid (RA) signal leads to RARbeta2 epigenetic silencing and RA resistance. 2005 , 25, 10591-603	56
1815	Promoter hypermethylation: a new therapeutic target emerges in urothelial cancer. 2005 , 23, 2879-81	16
1814	Differential DNA Methylation of Gene Promoters in Small B-Cell Lymphomas. 2005 , 124, 430-439	28
1813	Methylation profiling of archived non-small cell lung cancer: a promising prognostic system. 2005 , 11, 4400-5	98
1812	Comparison of biological effects of non-nucleoside DNA methylation inhibitors versus 5-aza-2'-deoxycytidine. 2005 , 4, 1515-20	182
1811	Functional epigenomics identifies genes frequently silenced in prostate cancer. 2005 , 65, 4218-27	252
1810	Inactivation of tumor suppressor genes: choice between genetic and epigenetic routes. 2005 , 4, 10-2	18
1809	Insensitivity to transforming growth factor-beta results from promoter methylation of cognate receptors in human prostate cancer cells (LNCaP). 2005 , 19, 2390-9	41
1808	Metallothionein isoform 3 gene is differentially expressed in corticotropin-producing pituitary adenomas. 2005 , 82, 208-14	13
1807	Targeting epigenetic regulatory mechanisms in cancer chemoprevention. 2005 , 9, 315-28	5
1806	Mechanisms of inactivation of the receptor tyrosine kinase EPHB2 in colorectal tumors. 2005 , 65, 10170-3	73
1805	Conditional expression of the CTCF-paralogous transcriptional factor BORIS in normal cells results in demethylation and derepression of MAGE-A1 and reactivation of other cancer-testis genes. 2005 , 65, 7751-62	158
1804	Frequent promoter methylation of tumor-related genes in sporadic and men2-associated pheochromocytomas. 2005 , 113, 1-7	22

1803	Methylation of CpG islands: potential relevance for hypertension and kidney diseases. 2005 , 20, 868-9	21
1802	Diagnostic and prognostic information in prostate cancer with the help of a small set of hypermethylated gene loci. 2005 , 11, 4097-106	121
1801	Preoperative serum DNA GSTP1 CpG island hypermethylation and the risk of early prostate-specific antigen recurrence following radical prostatectomy. 2005 , 11, 4037-43	173
1800	The chemokine receptor CXCR4 is regulated by DNA methylation in pancreatic cancer. 2005 , 4, 70-6	94
1799	Epigenetic and chromatin modifiers as targeted therapy of hematologic malignancies. 2005 , 23, 3971-93	282
1798	Epigenetic hypothesis tests for methylation and acetylation in a triple microarray system. 2005 , 12, 370-90	19
1797	DNA methyltransferase-3a interacts with p53 and represses p53-mediated gene expression. 2005 , 4, 1138-43	64
1796	Mechanisms for the inhibition of DNA methyltransferases by tea catechins and bioflavonoids. 2005 , 68, 1018-30	394
1795	Quantitative high-throughput analysis of DNA methylation patterns by base-specific cleavage and mass spectrometry. 2005 , 102, 15785-90	705
1794	Aberrant methylation of SPARC in human lung cancers. 2005 , 92, 942-8	64
1793	Short hairpin RNA-directed cytosine (CpG) methylation of the RASSF1A gene promoter in HeLa cells. 2005 , 12, 179-83	125
1792	DNA methylation-associated inactivation of TGFbeta-related genes DRM/Gremlin, RUNX3, and HPP1 in human cancers. 2005 , 93, 1029-37	67
1791	10 Loss of Cyclin D2 Expression in Gastric Cancer. 2005 , 4, 161-168	
1790	Emerging drugs for the treatment of myelodysplastic syndrome. 2005 , 10, 569-90	
1789	In vivo transcriptional regulation of N-Myc target genes is controlled by E-box methylation. 2005 , 102, 12117-22	109
1788	Procainamide is a specific inhibitor of DNA methyltransferase 1. 2005 , 280, 40749-56	223
1787	Methylation-specific polymerase chain reaction. 2005 , 113, 279-91	24
1786	The essential role of histone H3 Lys9 di-methylation and MeCP2 binding in MGMT silencing with poor DNA methylation of the promoter CpG island. 2005 , 137, 431-40	44

1785	Down-regulation of LATS1 and LATS2 mRNA expression by promoter hypermethylation and its association with biologically aggressive phenotype in human breast cancers. 2005 , 11, 1380-5	242
1784	Molecular Models of Cancer Development. 2005 , 3-13	
1783	STAT3- and DNA methyltransferase 1-mediated epigenetic silencing of SHP-1 tyrosine phosphatase tumor suppressor gene in malignant T lymphocytes. 2005 , 102, 6948-53	211
1782	Human maintenance DNA (cytosine-5)-methyltransferase and p53 modulate expression of p53-repressed promoters. 2005 , 102, 1000-5	136
1781	Coordinated changes in DNA methylation and histone modifications regulate silencing/derepression of luteinizing hormone receptor gene transcription. 2005 , 25, 7929-39	84
1780	Increased protein stability causes DNA methyltransferase 1 dysregulation in breast cancer. 2005 , 280, 18302-10	99
1779	Functional Loss of the gamma-catenin gene through epigenetic and genetic pathways in human prostate cancer. 2005 , 65, 2130-8	50
1778	Predictive utility of circulating methylated DNA in serum of melanoma patients receiving biochemotherapy. 2005 , 23, 9351-8	141
1777	A methylation sensitive dot blot assay (MS-DBA) for the quantitative analysis of DNA methylation in clinical samples. 2005 , 58, 155-8	29
1776	Reduced representation bisulfite sequencing for comparative high-resolution DNA methylation analysis. 2005 , 33, 5868-77	823
1775	Circulating tumor-specific DNA: a marker for monitoring efficacy of adjuvant therapy in cancer patients. 2005 , 65, 1141-5	205
1774	DNA methylation controls the timing of astroglialogenesis through regulation of JAK-STAT signaling. 2005 , 132, 3345-56	334
1773	Overlapping gene expression in fetal mouse intestine development and human colorectal cancer. 2005 , 65, 8715-22	32
1772	Frequent methylation of eyes absent 4 gene in Barrett's esophagus and esophageal adenocarcinoma. 2005 , 14, 830-4	52
1771	The stress-responsive gene GADD45G is a functional tumor suppressor, with its response to environmental stresses frequently disrupted epigenetically in multiple tumors. 2005 , 11, 6442-9	183
1770	Both hypomethylation and hypermethylation in a 0.2-kb region of a DNA repeat in cancer. 2005 , 3, 617-26	38
1769	Chromatin inactivation precedes de novo DNA methylation during the progressive epigenetic silencing of the RASSF1A promoter. 2005 , 25, 3923-33	116
1768	Epigenetic up-regulation of C-C chemokine receptor 7 and C-X-C chemokine receptor 4 expression in melanoma cells. 2005 , 65, 1800-7	103

1767	Genetische Diagnostik in der pädiatrischen Onkologie Genetic diagnosis in pediatric oncology. 2005 , 29, 162-175	
1766	Signal transducer and activator of transcription 5 (STAT5), a crucial regulator of immune and cancer cells. 2005 , 5, 449-63	26
1765	Halogenated thymidine analogues restore the expression of silenced genes without demethylation. 2005 , 65, 6927-33	12
1764	DNA methylation, nucleosome formation and positioning. 2005 , 3, 351-61	51
1763	Evaluation of a 7-day continuous intravenous infusion of decitabine: inhibition of promoter-specific and global genomic DNA methylation. 2005 , 23, 3897-905	121
1762	The soy isoflavone genistein promotes apoptosis in mammary epithelial cells by inducing the tumor suppressor PTEN. 2005 , 26, 1793-803	85
1761	Opposing effects of DNA hypomethylation on intestinal and liver carcinogenesis. 2005 , 102, 13580-5	222
1760	Collagen alpha1(I) gene (COL1A1) is repressed by RFX family. 2005 , 280, 21004-14	52
1759	Inactivation of Dnmt3b in mouse embryonic fibroblasts results in DNA hypomethylation, chromosomal instability, and spontaneous immortalization. 2005 , 280, 17986-91	191
1758	Quantitative assessment of promoter methylation profiles in thyroid neoplasms. 2005 , 90, 4011-8	111
1757	Altered epigenetic patterning leading to replicative senescence and reduced longevity. A role of a novel SNF2 factor, PASG. 2005 , 4, 3-5	8
1756	Molecular theory of cancer. 2005 , 4, 621-7	41
1755	Genomic screens for genes upregulated by demethylation in colorectal cancer: possible usefulness for clinical application. 2005 , 27, 417	3
1754	Synergistic induction of DOC-2/DAB2 gene expression in transitional cell carcinoma in the presence of GATA6 and histone deacetylase inhibitor. 2005 , 65, 6089-96	20
1753	The relationship between global methylation level, loss of heterozygosity, and microsatellite instability in sporadic colorectal cancer. 2005 , 11, 8564-9	104
1752	Array-based analysis of genomic DNA methylation patterns of the tumour suppressor gene p16INK4A promoter in colon carcinoma cell lines. 2005 , 33, e73	30
1751	A DNA repeat, NBL2, is hypermethylated in some cancers but hypomethylated in others. 2005 , 4, 440-8	35
1750	Mechanisms of selective anticancer action of histone deacetylase inhibitors. 2005 , 4, 741-3	36

1749	Causes and consequences of DNA hypomethylation in human cancer. 2005 , 83, 296-321	203
1748	Chromatin modifier enzymes, the histone code and cancer. 2005 , 41, 2381-402	260
1747	Overview of cancer epigenetics. 2005 , 42, S3-8	69
1746	Pharmacology of 5-Aza-2'-deoxycytidine (decitabine). 2005 , 42, S9-16	155
1745	Future directions for the use of hypomethylating agents. 2005 , 42, S50-9	20
1744	Zebularine: a unique molecule for an epigenetically based strategy in cancer chemotherapy. The magic of its chemistry and biology. 2005 , 24, 305-18	32
1743	Non-CpG cytosine methylation of p53 exon 5 in non-small cell lung carcinoma. 2005 , 50, 299-307	29
1742	DNA hypermethylation on multiple CpG islands associated with increased DNA methyltransferase DNMT1 protein expression during multistage urothelial carcinogenesis. 2005 , 173, 1767-71	62
1741	Sequential molecular and cellular events during neoplastic progression: a mouse syngeneic ovarian cancer model. 2005 , 7, 944-56	64
1740	The Diversity of Gastric Carcinoma. 2005 ,	2
1739	DNA Methylation, Epigenetics and Metastasis. 2005 ,	1
1738	Maintenance and regulation of DNA methylation patterns in mammals. 2005 , 83, 438-48	71
1737	A population-epigenetic model to infer site-specific methylation rates from double-stranded DNA methylation patterns. 2005 , 102, 5802-7	74
1736	Many players, one goal: how chromatin states are inherited during cell division. 2005 , 83, 332-43	18
1735	Mechanisms of DNA Demethylating Drugs Against Cancer Progression. 2005 , 243-267	1
1734	Differential DNA hypermethylation and hypomethylation signatures in colorectal cancer. 2005 , 14, 319-26	127
1733	No aberrant methylation of neurofibromatosis 1 gene (NF1) promoter in pilocytic astrocytoma in childhood. 2005 , 22, 83-7	7
1732	Identifying DNA methylation biomarkers of cancer drug response. 2005 , 5, 223-32	47

1731	Effects of benzo[a]pyrene-deoxyguanosine lesions on DNA methylation catalyzed by EcoRII DNA methyltransferase and on DNA cleavage effected by EcoRII restriction endonuclease. 2005 , 44, 1054-66	26
1730	Rational development of histone deacetylase inhibitors as anticancer agents: a review. 2005 , 68, 917-32	205
1729	DNA methyltransferase inhibitors and the development of epigenetic cancer therapies. 2005 , 97, 1498-506	385
1728	DNA methylation and gene silencing in cancer. 2005 , 2 Suppl 1, S4-11	835
1727	Epigenetic events in medulloblastoma development. 2005 , 19, E10	32
1726	Cancer epigenetics. 2005 , 14 Spec No 1, R65-76	384
1725	The theoretical basis of transcriptional therapy of cancer: can it be put into practice?. 2005 , 23, 3957-70	28
1724	Valproic acid, in combination with all-trans retinoic acid and 5-aza-2'-deoxycytidine, restores expression of silenced RARbeta2 in breast cancer cells. 2005 , 4, 477-86	73
1723	The methyltransferase inhibitor 5-aza-2-deoxycytidine induces apoptosis via induction of 15-lipoxygenase-1 in colorectal cancer cells. 2005 , 4, 1740-6	37
1722	Molecular diagnostics in melanoma. 2005 , 52, 743-75; quiz 775-8	120
1721	Restoration of expression of transforming growth factor-beta type II receptor in murine renal cell carcinoma (renca) cells by 5-Aza-2'-deoxycytidine. 2005 , 76, 1159-66	12
1720	Promoter-2-derived Cyp19 expression in bovine granulosa cells coincides with gene-specific DNA hypo-methylation. 2005 , 233, 57-64	37
1719	Alteration of p73 in pediatric de novo acute lymphoblastic leukemia. 2005 , 327, 750-5	10
1718	Cloning of the hamster p16 gene 5' upstream region and its aberrant methylation patterns in pancreatic cancer. 2005 , 333, 1249-53	10
1717	Estimating the total mouse DNA methylation according to the B1 repetitive elements. 2005 , 335, 1211-6	26
1716	Stable loss of global DNA methylation in the radiation-target tissue--a possible mechanism contributing to radiation carcinogenesis?. 2005 , 337, 526-33	95
1715	Ectopic expression of Oct-4 blocks progenitor-cell differentiation and causes dysplasia in epithelial tissues. 2005 , 121, 465-77	679
1714	Tumor suppressor HIC1 directly regulates SIRT1 to modulate p53-dependent DNA-damage responses. 2005 , 123, 437-48	528

1713	Prognostic relevance of methylation markers in patients with non-muscle invasive bladder carcinoma. 2005 , 41, 2769-78	101
1712	Mutation and methylation analysis of TP53 in adrenal carcinogenesis. 2005 , 31, 549-54	31
1711	Chromosome instability in neoplasia: chaotic roots to continuous growth. 2005 , 37, 1014-33	47
1710	Adaptation to DNA damage and stimulation of genetic instability: the double-edged sword mammalian DNA polymerase kappa. 2005 , 87, 637-46	38
1709	Inhibition of NMU-induced mammary tumorigenesis by dietary soy. 2005 , 224, 45-52	44
1708	Epigenetic inactivation of the RASSF1A tumour suppressor gene in ependymoma. 2005 , 227, 75-81	47
1707	An association of DNMT3b protein expression with P16INK4a promoter hypermethylation in non-smoking female lung cancer with human papillomavirus infection. 2005 , 226, 77-84	40
1706	Stage-specific induction of DNA methyltransferases in olfactory receptor neuron development. 2005 , 288, 461-73	42
1705	The loss of NKX3.1 expression in testicular--and prostate--cancers is not caused by promoter hypermethylation. 2005 , 4, 8	5
1704	Analysis of repetitive element DNA methylation by MethyLight. 2005 , 33, 6823-36	588
1703	Adjuvant treatment strategies for early colon cancer. 2005 , 65, 1935-47	6
1702	Mechanisms of Disease: genetic and epigenetic alterations that drive bladder cancer. 2005 , 2, 502-10	94
1701	Epigenetic silencing of the MGMT gene in cancer. 2005 , 83, 429-37	70
1700	Stool screening for colorectal cancer: molecular approaches. 2005 , 128, 192-206	187
1699	CIMP, at last. 2005 , 129, 1121-4	93
1698	Tumour suppressor retinoblastoma protein Rb: a transcriptional regulator. 2005 , 41, 2415-27	59
1697	Aberrant methylation of Reprimo in lung cancer. 2005 , 47, 309-14	27
1696	Drug insight: Histone deacetylase inhibitors--development of the new targeted anticancer agent suberoylanilide hydroxamic acid. 2005 , 2, 150-7	272

1695	Survey of differentially methylated promoters in prostate cancer cell lines. 2005 , 7, 748-60	84
1694	Expression profiling of homocysteine junction enzymes in the NCI60 panel of human cancer cell lines. 2005 , 65, 1554-60	34
1693	Tumorigenesis: the adaptation of mammalian cells to sustained stress environment by epigenetic alterations and succeeding matched mutations. 2005 , 26, 1323-34	59
1692	Multiple Myeloma. 2005 ,	1
1691	Images of the Genome: From Public Debates to Biology, and Back, and Forth. 2005 , 9-31	2
1690	Preclinical and Clinical Studies on 5-Aza-2'-Deoxycytidine, a Potent Inhibitor of DNA Methylation, in Cancer Therapy. 2005 , 205-217	1
1689	Molecular Biology of Human Cancers. 2005 ,	4
1688	Epigenetic silencing and deletion of the BRCA1 gene in sporadic breast cancer. 2006 , 8, R38	179
1687	DNA Methylation: Basic Mechanisms. 2006 ,	5
1686	Biomarkers in Breast Cancer. 2006 ,	3
1685	Aberrant promoter methylation of p16 and MGMT genes in lung tumors from smoking and never-smoking lung cancer patients. 2006 , 8, 46-51	106
1684	DNA methyltransferases: facts, clues, mysteries. 2006 , 301, 45-66	60
1683	High concordance of gene methylation in post-digital rectal examination and post-biopsy urine samples for prostate cancer detection. 2006 , 176, 2280-4	43
1682	Kaiso-deficient mice show resistance to intestinal cancer. 2006 , 26, 199-208	136
1681	DNA Methylation: Development, Genetic Disease and Cancer. 2006 ,	2
1680	Molecular biomarkers for cancer detection in blood and bodily fluids. 2006 , 43, 497-560	13
1679	Comprehensive DNA methylation profiling in a human cancer genome identifies novel epigenetic targets. 2006 , 27, 2409-23	103
1678	Epigenetic inactivation of EGFR by CpG island hypermethylation in cancer. 2006 , 5, 1494-501	53

1677	The c-Myc oncogene directly induces the H19 noncoding RNA by allele-specific binding to potentiate tumorigenesis. 2006 , 66, 5330-7	384
1676	Early Life Origins of Health and Disease. 2006 ,	7
1675	CpG island methylation of tumor-related promoters occurs preferentially in undifferentiated carcinoma. 2006 , 16, 633-42	85
1674	Cloning of mouse Dab2ip gene, a novel member of the RasGTPase-activating protein family and characterization of its regulatory region in prostate. 2006 , 25, 232-45	12
1673	Soy isoflavones and bone health: a double-edged sword?. 2006 , 69, 450-9	70
1672	Valproate inhibition of histone deacetylase 2 affects differentiation and decreases proliferation of endometrial stromal sarcoma cells. 2006 , 5, 2203-10	127
1671	Diethanolamine and phenobarbital produce an altered pattern of methylation in GC-rich regions of DNA in B6C3F1 mouse hepatocytes similar to that resulting from choline deficiency. 2006 , 90, 317-25	27
1670	MMASS: an optimized array-based method for assessing CpG island methylation. 2006 , 34, e136	43
1669	Comparative isoschizomer profiling of cytosine methylation: the HELP assay. 2006 , 16, 1046-55	330
1668	Mechanisms of immune evasion by tumors. 2006 , 90, 51-81	497
1667	Epigenetic instability and chromosomal instability in hepatocellular carcinoma. 2006 , 168, 1375-84	44
1666	Methylation of multiple genes in gastric glands with intestinal metaplasia: A disorder with polyclonal origins. 2006 , 169, 1643-51	23
1665	Circulating methylated DNA: a new generation of tumor markers. 2006 , 12, 7205-8	26
1664	LUMA (LUminometric Methylation Assay)--a high throughput method to the analysis of genomic DNA methylation. 2006 , 312, 1989-95	231
1663	MIRA-assisted microarray analysis, a new technology for the determination of DNA methylation patterns, identifies frequent methylation of homeodomain-containing genes in lung cancer cells. 2006 , 66, 7939-47	252
1662	Quantitative DNA methylation analysis: the promise of high-throughput epigenomic diagnostic testing in human neoplastic disease. 2006 , 8, 152-6	28
1661	Differential and epigenetic gene expression profiling identifies frequent disruption of the RELN pathway in pancreatic cancers. 2006 , 130, 548-65	117
1660	Epigenetic silencing of genes in human colon cancer. 2006 , 131, 960-2	9

1659	Epigenetic regulation of human gamma-glutamyl hydrolase activity in acute lymphoblastic leukemia cells. 2006 , 79, 264-74	26
1658	Applying whole-genome studies of epigenetic regulation to study human disease. 2006 , 114, 1-15	48
1657	Silenced tumor suppressor genes reactivated by DNA demethylation do not return to a fully euchromatic chromatin state. 2006 , 66, 3541-9	249
1656	Epigenetics and airways disease. 2006 , 7, 21	116
1655	Methylation mediated silencing of TMS1/ASC gene in prostate cancer. 2006 , 5, 28	82
1654	Epigenetic aberrations and cancer. 2006 , 5, 60	112
1653	Valproic acid and butyrate induce apoptosis in human cancer cells through inhibition of gene expression of Akt/protein kinase B. 2006 , 5, 71	73
1652	Molecular pathways in invasive bladder cancer: new insights into mechanisms, progression, and target identification. 2006 , 24, 5552-64	232
1651	Methylation status of genes upregulated by demethylating agent 5-aza-2'-deoxycytidine in hepatocellular carcinoma. 2006 , 71, 77-85	62
1650	PARP and Epigenetic Regulation. 2006 , 91-102	1
1649	Radiation-induced molecular changes in rat mammary tissue: possible implications for radiation-induced carcinogenesis. 2006 , 82, 805-15	58
1648	Cancer-linked DNA hypomethylation and its relationship to hypermethylation. 2006 , 310, 251-74	102
1647	Mutagenesis at methylated CpG sequences. 2006 , 301, 259-81	176
1646	Functional diversity of DNA methyltransferase inhibitors in human cancer cell lines. 2006 , 66, 2794-800	327
1645	Synthesis and in vitro evaluation of biotinylated RG108: a high affinity compound for studying binding interactions with human DNA methyltransferases. 2006 , 17, 261-6	41
1644	Combination of methylated-DNA precipitation and methylation-sensitive restriction enzymes (COMPARE-MS) for the rapid, sensitive and quantitative detection of DNA methylation. 2006 , 34, e19	73
1643	Tumor-protective and tumor-promoting actions of dietary whey proteins in an N-methyl-N-nitrosourea model of rat mammary carcinogenesis. 2006 , 55, 171-7	5
1642	Determination of genetic toxicity and potential carcinogenicity in vitro--challenges post the Seventh Amendment to the European Cosmetics Directive. 2007 , 22, 5-13	33

1641	Involvement of aberrant DNA methylation on reduced expression of lysophosphatidic acid receptor-1 gene in rat tumor cell lines. 2006 , 349, 1151-5	23
1640	5-Aza-2'-deoxycytidine and depsipeptide synergistically induce expression of BIK (BCL2-interacting killer). 2006 , 351, 455-61	13
1639	DNA methyltransferase expression and DNA hypermethylation in human hepatocellular carcinoma. 2006 , 233, 271-8	89
1638	Methylation and expression analysis of 15 genes and three normally-methylated genes in 13 Ovarian cancer cell lines. 2006 , 241, 213-20	38
1637	Methylation of apoptosis related genes in the pathogenesis and prognosis of prostate cancer. 2006 , 242, 222-30	61
1636	Exploiting the role of O6-methylguanine-DNA-methyltransferase (MGMT) in cancer therapy. 2006 , 6, 355-63	70
1635	Cell-free and cell-bound circulating DNA in breast tumours: DNA quantification and analysis of tumour-related gene methylation. 2006 , 94, 1492-5	131
1634	B29 gene silencing in pituitary cells is regulated by its 3' enhancer. 2006 , 362, 173-83	4
1633	DNA methylation and apoptosis. 2006 , 43, 1729-40	74
1632	Promoter hypermethylation-mediated down-regulation of LATS1 and LATS2 in human astrocytoma. 2006 , 56, 450-8	134
1631	Transition of mouse de novo methyltransferases expression from Dnmt3b to Dnmt3a during neural progenitor cell development. 2006 , 142, 727-37	82
1630	Quantitative detection of promoter hypermethylation as a biomarker of acute kidney injury during transplantation. 2006 , 38, 3420-6	39
1629	Epstein-Barr virus (EBV) and its associated human cancers--genetics, epigenetics, pathobiology and novel therapeutics. 2006 , 11, 2672-713	100
1628	Two-color quantitative multiplex methylation-specific PCR. 2006 , 40, 210-9	25
1627	Growth inhibitory effects of quercetin on bladder cancer cell. 2006 , 11, 2275-85	43
1626	Alcohol Metabolism,Tobacco and Cancer. 2006 , 29-47	28
1625	Epigenetic Mechanisms in Tumorigenesis. 2006 ,	
1624	Developmental regulation of DNA methyltransferases. 2006 ,	

1623	Advances in malignant melanoma: genetic insights from mouse and man. 2006 , 11, 928-42	11
1622	Nested multigene MSP/DHPLC method for analyzing promoter hypermethylation status in clinical samples. 2006 , 40, 40, 42, 44 passim	4
1621	ADAMTS1, CRABP1, and NR3C1 identified as epigenetically deregulated genes in colorectal tumorigenesis. 2006 , 28, 259-72	73
1620	Epigenetic variation: amount, causes, and consequences. 2006 ,	3
1619	STAT3 induces transcription of the DNA methyltransferase 1 gene (DNMT1) in malignant T lymphocytes. 2006 , 108, 1058-64	128
1618	Role of exposure to environmental chemicals in developmental origins of health and disease. 82-97	1
1617	Six (or more) drugs in search of a mechanism: DNA methyltransferase and histone deacetylase inhibitors in the treatment of myelodysplastic syndromes. 2006 , 4, 83-90	7
1616	HDAC Inhibitors. 2006 , 271-297	
1615	Occult Metastatic Cells in Breast Cancer Patients. 2006 , 213-233	
1614	Review: recent clinical trials in epigenetic therapy. 2006 , 1, 169-82	47
1613	Polymorphisms of methylenetetrahydrofolate reductase and the risk of prostate cancer: a nested case-control study. 2006 , 15, 46-50	38
1612	Folate supplementation: too much of a good thing?. 2006 , 15, 189-93	165
1611	Promoter hypermethylation of FANCF plays an important role in the occurrence of ovarian cancer through disrupting Fanconi anemia-BRCA pathway. 2006 , 5, 256-60	55
1610	Specificity of human thymine DNA glycosylase depends on N-glycosidic bond stability. 2006 , 128, 12510-9	127
1609	Hypomethylated P4 promoter induces expression of the insulin-like growth factor-II gene in hepatocellular carcinoma in a Chinese population. 2006 , 12, 4171-7	38
1608	A novel mechanism for acquired cisplatin-resistance: Suppressed translation of death-associated protein kinase mRNA is insensitive to 5-aza-2'-deoxycytidine and trichostatin in cisplatin-resistant cervical squamous cancer cells. 2006 , 28, 497	1
1607	DNA Methylation and Histone Acetylation. 2006 ,	1
1606	Stem cells, senescence, neosis and self-renewal in cancer. 2006 , 6, 25	85

1605	Methylation of APC, TIMP3, and TERT: a new predictive marker to distinguish Barrett's oesophagus patients at risk for malignant transformation. 2006 , 208, 100-7	100
1604	Lack of genetic and epigenetic changes in meningiomas without NF2 loss. 2006 , 208, 564-73	25
1603	Epigenetic regulation of the expression of the novel stem cell marker CDCP1 in cancer cells. 2006 , 210, 75-84	40
1602	Carboxypeptidase E in the mouse placenta. 2006 , 74, 648-60	6
1601	Epigenetics of lung cancer. 2006 , 11, 355-65	46
1600	Progress in ovarian cancer research: proceedings of the 5th Biennial Ovarian Cancer Research Symposium. 2006 , 16, 463-9	3
1599	The epigenetic magic of histone lysine methylation. 2006 , 273, 3121-35	201
1598	Chemical genomic screening for methylation-silenced genes in gastric cancer cell lines using 5-aza-2'-deoxycytidine treatment and oligonucleotide microarray. 2006 , 97, 64-71	208
1597	Genetic or epigenetic silencing of low density lipoprotein receptor-related protein 1B expression in oral squamous cell carcinoma. 2006 , 97, 1070-4	36
1596	Hypomethylation of the protein gene product 9.5 promoter region in gallbladder cancer and its relationship with clinicopathological features. 2006 , 97, 1205-10	35
1595	Maintenance of self-renewal ability of mouse embryonic stem cells in the absence of DNA methyltransferases Dnmt1, Dnmt3a and Dnmt3b. 2006 , 11, 805-14	417
1594	Toward a human epigenome. 2006 , 38, 1359-60	65
1593	Evidence for an instructive mechanism of de novo methylation in cancer cells. 2006 , 38, 149-53	419
1592	A truncating mutation of HDAC2 in human cancers confers resistance to histone deacetylase inhibition. 2006 , 38, 566-9	228
1591	Epigenetic remodeling in colorectal cancer results in coordinate gene suppression across an entire chromosome band. 2006 , 38, 540-9	323
1590	DNA methylation profiling of human chromosomes 6, 20 and 22. 2006 , 38, 1378-85	1065
1589	Quantification of DNA methylation in electrofluidics chips (Bio-COBRA). 2006 , 1, 52-8	35
1588	Epigenetic gene silencing in cancer - a mechanism for early oncogenic pathway addiction?. 2006 , 6, 107-16	1372

1587	Polycomb silencers control cell fate, development and cancer. 2006 , 6, 846-56	1072
1586	The epigenetic progenitor origin of human cancer. <i>Nature Reviews Genetics</i> , 2006 , 7, 21-33	30.1 1417
1585	Tissue specificity of methylation of cytosines in regulatory regions of four genes located in the locus FXYD5-COX7A1 of human chromosome 19: correlation with their expression level. 2006 , 71, 294-9	4
1584	Epigenetics provides a new generation of oncogenes and tumour-suppressor genes. 2006 , 94, 179-83	171
1583	Prognostic impact of multidrug resistance gene expression on the management of breast cancer in the context of adjuvant therapy based on a series of 171 patients. 2006 , 94, 473-80	41
1582	Methylation of tumour suppressor genes APAF-1 and DAPK-1 and in vitro effects of demethylating agents in bladder and kidney cancer. 2006 , 95, 1701-7	70
1581	Methylation of CpG islands of p16 associated with progression of primary gastric carcinomas. 2006 , 86, 591-8	51
1580	hMLH1 and MGMT inactivation as a mechanism of tumorigenesis in monoclonal gammopathies. 2006 , 19, 914-21	14
1579	Lsh is involved in de novo methylation of DNA. 2006 , 25, 335-45	136
1578	Absence of the steroid receptor coactivator-3 induces B-cell lymphoma. 2006 , 25, 2453-64	53
1577	Regulation of MBD1-mediated transcriptional repression by SUMO and PIAS proteins. 2006 , 25, 5317-28	52
1576	Epigenetic inactivation of tumor suppressor genes in serum of patients with cutaneous melanoma. 2006 , 126, 422-31	69
1575	Differential DNA methylation patterns of small B-cell lymphoma subclasses with different clinical behavior. 2006 , 20, 1855-62	69
1574	Promoter DNA methylation of CD10 in lymphoid malignancies. 2006 , 20, 1910-2	10
1573	Quantitative analysis of associations between DNA hypermethylation, hypomethylation, and DNMT RNA levels in ovarian tumors. 2006 , 25, 2636-45	118
1572	Functional epigenetics identifies a protocadherin PCDH10 as a candidate tumor suppressor for nasopharyngeal, esophageal and multiple other carcinomas with frequent methylation. 2006 , 25, 1070-80	223
1571	Identification of the p53 family-responsive element in the promoter region of the tumor suppressor gene hypermethylated in cancer 1. 2006 , 25, 2030-9	44
1570	Frequent epigenetic silencing of the bone morphogenetic protein 2 gene through methylation in gastric carcinomas. 2006 , 25, 2666-73	70

1569	Regulation of high molecular weight-melanoma associated antigen (HMW-MAA) gene expression by promoter DNA methylation in human melanoma cells. 2006 , 25, 2873-84	35
1568	CpG island promoter methylation and silencing of 14-3-3sigma gene expression in LNCaP and Tramp-C1 prostate cancer cell lines is associated with methyl-CpG-binding protein MBD2. 2006 , 25, 4559-72	40
1567	Epigenetic regulation of X-linked cancer/germline antigen genes by DNMT1 and DNMT3b. 2006 , 25, 6975-85	100
1566	Dual role of TMS1/ASC in death receptor signaling. 2006 , 25, 6948-58	22
1565	Mouse follicular and marginal zone B cells show differential expression of Dnmt3a and sensitivity to 5'-azacytidine. 2006 , 105, 174-9	3
1564	The fundamental role of epigenetics in hematopoietic malignancies. 2006 , 20, 1-13	174
1563	Identification of differentially methylated sites within unmethylated DNA domains in normal and cancer cells. 2006 , 356, 202-7	18
1562	In situ bisulfite modification of membrane-immobilized DNA for multiple methylation analysis. 2006 , 359, 183-8	7
1561	Dynamics, stability and inheritance of somatic DNA methylation imprints. 2006 , 242, 890-9	63
1560	Treatment of myelodysplastic syndrome with a DNA methyltransferase inhibitor: lack of evidence for induction of chromosomal instability. 2006 , 30, 338-42	5
1559	Multi-gene epigenetic silencing of tumor suppressor genes in T-cell lymphoma cells; delayed expression of the p16 protein upon reversal of the silencing. 2006 , 30, 303-12	27
1558	High-throughput DNA methylation profiling using universal bead arrays. 2006 , 16, 383-93	509
1557	Predicting methylation status of CpG islands in the human brain. 2006 , 22, 2204-9	75
1556	Emerging vectors and targeting methods for nonviral gene therapy. 2006 , 11, 541-57	35
1555	Dimethyl sulfoxide has an impact on epigenetic profile in mouse embryoid body. 2006 , 24, 2549-56	159
1554	Comparative analysis of mesenteric and peripheral blood circulating tumor DNA in colorectal cancer patients. 2006 , 1075, 197-203	27
1553	DNA hypomethylation of CAGE promoters in squamous cell carcinoma of uterine cervix. 2006 , 1091, 218-24	19
1552	Genomic instability in the offspring of irradiated parents: Facts and interpretations. 2006 , 42, 1116-1126	14

1551	Bombesin/gastrin-releasing peptide receptor antagonists increase the ability of histone deacetylase inhibitors to reduce lung cancer proliferation. 2006 , 28, 231-8	18
1550	Multiple strategies for gene transfer, expression, knockdown, and chromatin influence in mammalian cell lines and transgenic animals. 2006 , 34, 337-54	52
1549	Discovery of two novel, small-molecule inhibitors of DNA methylation. 2006 , 49, 678-83	119
1548	Regulation of DNA methyltransferase 1. 2006 , 46, 224-34	17
1547	Conditions in utero and cancer risk. 2006 , 21, 561-70	25
1546	Epigenetic alterations in intraductal papillary mucinous neoplasms of the pancreas. 2006 , 13, 280-5	39
1545	The role of epigenetic alterations in pancreatic cancer. 2006 , 13, 286-95	68
1544	DNA methylation as a marker for the past and future. 2006 , 41, 401-7	123
1543	Malignant glioma: neuropathology and neurobiology. 2006 , 156, 332-7	41
1542	Personalized medicine and development of targeted therapies: The upcoming challenge for diagnostic molecular pathology. A review. 2006 , 448, 744-55	75
1541	Epigenetic silencing of the putative tumor suppressor gene testisin in testicular germ cell tumors. 2006 , 132, 765-70	21
1540	High-resolution mapping of DNA methylation in human genome using oligonucleotide tiling array. 2007 , 120, 701-11	49
1539	Quantitative assessment of DNA methylation: Potential applications for disease diagnosis, classification, and prognosis in clinical settings. 2006 , 84, 365-77	74
1538	Epigenetics of prostate cancer: beyond DNA methylation. 2006 , 10, 100-25	84
1537	Unique microRNA molecular profiles in lung cancer diagnosis and prognosis. 2006 , 9, 189-98	2606
1536	Global DNA demethylation in gastrointestinal cancer is age dependent and precedes genomic damage. 2006 , 9, 199-207	215
1535	Expression and cellular localization of dbpC/Contrin in germ cell tumor cell lines. 2006 , 1759, 80-8	1
1534	Regulation of mucin expression: mechanistic aspects and implications for cancer and inflammatory diseases. 2006 , 1765, 189-222	119

1533	Chromatin structure and epigenetics. 2006 , 72, 1563-9	115
1532	Epigenetic control of CTCFL/BORIS and OCT4 expression in urogenital malignancies. 2006 , 72, 1577-88	69
1531	Chromatin control and cancer-drug discovery: realizing the promise. 2006 , 11, 97-109	65
1530	Chromatin-modulating agents as epigenetic anticancer drugs--'the die is cast'. 2006 , 11, 91-3	8
1529	Epigenetic silencing of 14-3-3sigma in cancer. 2006 , 16, 214-24	52
1528	Two substrates are better than one: dual specificities for Dnmt2 methyltransferases. 2006 , 31, 306-8	88
1527	Irreversible global DNA hypomethylation as a key step in hepatocarcinogenesis induced by dietary methyl deficiency. 2006 , 593, 80-7	139
1526	The offspring of irradiated parents, are they stable?. 2006 , 598, 50-60	63
1525	Environmental and nutritional effects on the epigenetic regulation of genes. 2006 , 600, 46-57	155
1524	Differential DNA methylation profiles in gynecological cancers and correlation with clinico-pathological data. 2006 , 6, 212	124
1523	Histone deacetylase inhibitors strongly sensitise neuroblastoma cells to TRAIL-induced apoptosis by a caspases-dependent increase of the pro- to anti-apoptotic proteins ratio. 2006 , 6, 214	39
1522	methBLAST and methPrimerDB: web-tools for PCR based methylation analysis. 2006 , 7, 496	31
1521	Hypermethylated promoter region of DR3, the death receptor 3 gene, in rheumatoid arthritis synovial cells. 2006 , 54, 779-87	125
1520	Epigenetic modifications in osteogenic differentiation and transformation. 2006 , 98, 757-69	50
1519	Aroyl-pyrrolyl hydroxyamides: influence of pyrrole C4-phenylacetyl substitution on histone deacetylase inhibition. 2006 , 1, 225-37	20
1518	Long-term follow-up results of the combination of topotecan and cytarabine and other intensive chemotherapy regimens in myelodysplastic syndrome. 2006 , 106, 1099-109	89
1517	Accumulation of DNA methylation is associated with tumor stage in gastric cancer. 2006 , 106, 1250-9	111
1516	Quantitative analysis of promoter hypermethylation in multiple genes in osteosarcoma. 2006 , 106, 1602-9	44

1515	Genetic, epigenetic, and clinicopathologic features of gastric carcinomas with the CpG island methylator phenotype and an association with Epstein-Barr virus. 2006 , 106, 1467-79	145
1514	Aberrant promoter methylation of multiple genes in malignant ovarian tumors and in ovarian tumors with low malignant potential. 2006 , 107, 299-308	84
1513	Epigenetic inactivation of MCJ (DNAJD1) in malignant paediatric brain tumours. 2006 , 118, 346-52	46
1512	Associations between 5,10-methylenetetrahydrofolate reductase codon 677 and 1298 genetic polymorphisms and environmental factors with reference to susceptibility to colorectal cancer: a case-control study in an Indian population. 2006 , 118, 991-7	42
1511	Aberrant promoter methylation of multiple genes during multistep pathogenesis of colorectal cancers. 2006 , 118, 924-31	28
1510	Regional DNA hypermethylation and DNA methyltransferase (DNMT) 1 protein overexpression in both renal tumors and corresponding nontumorous renal tissues. 2006 , 119, 288-96	94
1509	Frequency and resistance of CD95 (Fas/Apo-1) gene-transfected tumor cells to CD95-mediated apoptosis by the elimination and methylation of integrated DNA. 2006 , 119, 585-92	4
1508	Regularly methylated novel pro-apoptotic genes associated with recurrence in transitional cell carcinoma of the bladder. 2006 , 119, 1396-402	49
1507	Silencing of the UCHL1 gene in human colorectal and ovarian cancers. 2006 , 119, 1338-44	83
1506	Hypermethylation of the GATA gene family in esophageal cancer. 2006 , 119, 2078-83	49
1505	APC gene methylation is inversely correlated with features of the CpG island methylator phenotype in colorectal cancer. 2006 , 119, 2272-8	39
1504	Methyl-CpG binding proteins are involved in restricting differentiation plasticity in neurons. 2006 , 84, 969-79	54
1503	Second complete remission in an elderly patient with acute myeloid leukemia retreated with decitabine. 2006 , 81, 543-5	8
1502	Using LUMA: a Luminometric-based assay for global DNA-methylation. 2006 , 1, 45-8	129
1501	DNA methylation-dependent epigenetic regulation of gene expression in MCF-7 breast cancer cells. 2006 , 1, 32-44	36
1500	A potential role for epigenetic modulatory drugs in the enhancement of cancer/germ-line antigen vaccine efficacy. 2006 , 1, 116-20	83
1499	Histone deacetylases as targets for dietary cancer preventive agents: lessons learned with butyrate, diallyl disulfide, and sulforaphane. 2006 , 7, 443-52	140
1498	Reactivation of epigenetically silenced genes by DNA methyltransferase inhibitors: basic concepts and clinical applications. 2006 , 1, 7-13	69

1497	Commentary: induction and selection of variations during cancer development. 2006 , 35, 1163-5	2
1496	Epigenetic suppression of secreted frizzled related protein 1 (SFRP1) expression in human breast cancer. 2006 , 5, 281-6	73
1495	The synergistic effect of 5-aza-2'-deoxycytidine and 5-fluorouracil on drug-resistant tumors. 2006 , 71, 437-45	26
1494	Diverse DNA methylation statuses at alternative promoters of human genes in various tissues. 2006 , 13, 155-67	23
1493	Abnormal CpG island methylation occurs during in vitro differentiation of human embryonic stem cells. 2006 , 15, 2623-35	70
1492	Accuracy of DNA methylation pattern preservation by the Dnmt1 methyltransferase. 2006 , 34, 1182-8	147
1491	Role of exposure to environmental chemicals in the developmental basis of reproductive disease and dysfunction. 2006 , 24, 168-77	60
1490	[Risk stratification in medulloblastoma: screening for molecular markers]. 2006 , 218, 139-42	8
1489	DNA methylation and histone modifications in patients with cancer: potential prognostic and therapeutic targets. 2007 , 361, 25-62	50
1488	DNA methylation alterations in urothelial carcinoma. 2006 , 5, 993-1001	44
1487	Folate Supplementation: Too Much of a Good Thing?: Figure 1.. 2006 , 15, 189-193	116
1486	Inactivation of Wnt inhibitory factor-1 (WIF1) expression by epigenetic silencing is a common event in breast cancer. 2006 , 27, 1341-8	159
1485	Mining methylation for early detection of common cancers. 2006 , 3, e479	16
1484	Knowledge of epigenetic influence for prostate cancer therapy. 2006 , 6, 533-51	6
1483	Overcoming resistance to interferon-induced apoptosis of renal carcinoma and melanoma cells by DNA demethylation. 2006 , 24, 3771-9	107
1482	Natural and synthetic retinoids in prostate cancer. 2006 , 12, 1923-9	24
1481	Inhibition of DNA methylation by caffeic acid and chlorogenic acid, two common catechol-containing coffee polyphenols. 2006 , 27, 269-77	292
1480	Genome-wide hypomethylation in human glioblastomas associated with specific copy number alteration, methylenetetrahydrofolate reductase allele status, and increased proliferation. 2006 , 66, 8469-76	184

1479	DNA methylation supports intrinsic epigenetic memory in mammalian cells. 2006 , 2, e65	46
1478	LINE-1 hypomethylation in a choline-deficiency-induced liver cancer in rats: dependence on feeding period. 2006 , 2006, 17142	32
1477	Inhibition of SIRT1 reactivates silenced cancer genes without loss of promoter DNA hypermethylation. 2006 , 2, e40	320
1476	A genome-wide screen for promoter methylation in lung cancer identifies novel methylation markers for multiple malignancies. 2006 , 3, e486	191
1475	Histone deacetylase inhibitors and paclitaxel cause synergistic effects on apoptosis and microtubule stabilization in papillary serous endometrial cancer cells. 2006 , 5, 2767-76	124
1474	Epigenetic regulation of maspin expression in the human placenta. 2006 , 12, 611-7	42
1473	SIRT1: linking adaptive cellular responses to aging-associated changes in organismal physiology. 2006 , 21, 404-10	70
1472	L1 retrotransposons in human cancers. 2006 , 2006, 83672	70
1471	Significance of P16INK4A hypermethylation gene in primary head/neck and colorectal tumors: it is a specific tissue event? Results of a 3-year GOIM (Gruppo Oncologico dell'Italia Meridionale) prospective study. 2006 , 17 Suppl 7, vii137-41	7
1470	Histone H3 lysine 9 and H4 lysine 20 trimethylation and the expression of Suv4-20h2 and Suv-39h1 histone methyltransferases in hepatocarcinogenesis induced by methyl deficiency in rats. 2006 , 27, 1180-6	121
1469	Distinct gene expression profiles in immortalized human urothelial cells exposed to inorganic arsenite and its methylated trivalent metabolites. 2006 , 114, 394-403	46
1468	In utero exposure to maternal diets containing soy protein isolate, but not genistein alone, protects young adult rat offspring from NMU-induced mammary tumorigenesis. 2007 , 28, 1046-51	36
1467	Aberrant promoter methylation of the ABCG2 gene in renal carcinoma. 2006 , 26, 8572-85	103
1466	Promoter hypermethylation of multiple genes in sputum precedes lung cancer incidence in a high-risk cohort. 2006 , 66, 3338-44	319
1465	Epigenomic profiling reveals novel and frequent targets of aberrant DNA methylation-mediated silencing in malignant glioma. 2006 , 66, 7490-501	132
1464	DNA methylation pathway alterations in an autochthonous murine model of prostate cancer. 2006 , 66, 11659-67	39
1463	CRA-026440: a potent, broad-spectrum, hydroxamic histone deacetylase inhibitor with antiproliferative and antiangiogenic activity in vitro and in vivo. 2006 , 5, 1693-701	24
1462	Estrogen receptor-alpha methylation predicts melanoma progression. 2006 , 66, 6692-8	103

1461	A mass balance and disposition study of the DNA methyltransferase inhibitor zebularine (NSC 309132) and three of its metabolites in mice. 2006 , 12, 5826-33	8
1460	Epigenetic silencing of the tumor suppressor cystatin M occurs during breast cancer progression. 2006 , 66, 7899-909	79
1459	Epigenetic inactivation of the HOXA gene cluster in breast cancer. 2006 , 66, 10664-70	98
1458	Alleviating the burden of cancer: a perspective on advances, challenges, and future directions. 2006 , 15, 2049-55	18
1457	The cancer epigenome--components and functional correlates. 2006 , 20, 3215-31	295
1456	Poly(ADP-Ribosyl)ation. 2006 ,	6
1455	Epigenetic silencing of novel tumor suppressors in malignant melanoma. 2006 , 66, 11187-93	136
1454	Targeting changes in cancer: assessing pathway stability by comparing pathway gene expression coherence levels in tumor and normal tissues. 2006 , 5, 2417-27	14
1453	Altered methylation in gene-specific and GC-rich regions of DNA is progressive and nonrandom during promotion of skin tumorigenesis. 2006 , 91, 406-18	20
1452	Epigenetic regulation of the tumor suppressor gene TCF21 on 6q23-q24 in lung and head and neck cancer. 2006 , 103, 982-7	137
1451	De novo induction of a cancer/testis antigen by 5-aza-2'-deoxycytidine augments adoptive immunotherapy in a murine tumor model. 2006 , 66, 1105-13	123
1450	Tumor suppressor p16INK4A regulates polycomb-mediated DNA hypermethylation in human mammary epithelial cells. 2006 , 281, 24790-802	111
1449	Aberrant promoter methylation profile and association with survival in patients with non-small cell lung cancer. 2006 , 12, 7329-38	62
1448	Suppression of intestinal neoplasia by deletion of Dnmt3b. 2006 , 26, 2976-83	95
1447	Promoter Hypermethylation of a Novel Gene,ZHX2,in Hepatocellular Carcinoma. 2006 , 125, 740-746	35
1446	Effects of epigenetic modulation on reporter gene expression: implications for stem cell imaging. 2006 , 20, 106-8	112
1445	Silencing of Peroxiredoxin 2 and aberrant methylation of 33 CpG islands in putative promoter regions in human malignant melanomas. 2006 , 66, 6080-6	146
1444	Frequent genetic and epigenetic abnormalities contribute to the deregulation of cytoglobin in non-small cell lung cancer. 2006 , 15, 2038-44	59

1443	A histone methylation-dependent DNA methylation pathway is uniquely impaired by deficiency in Arabidopsis S-adenosylhomocysteine hydrolase. 2006 , 174, 1161-71	39
1442	Histone acetylation in gene regulation. 2006 , 5, 209-21	151
1441	Epigenetic inactivation of the dioxin-responsive cytochrome P4501A1 gene in human prostate cancer. 2006 , 66, 7420-8	60
1440	A phase I study of intravenous LBH589, a novel cinnamic hydroxamic acid analogue histone deacetylase inhibitor, in patients with refractory hematologic malignancies. 2006 , 12, 4628-35	288
1439	Molekulare Pharmakologie und Toxikologie. 2006 ,	
1438	How lifetimes shape epigenotype within and across generations. 2006 , 15 Spec No 2, R131-7	142
1437	The epigenetic basis for the aberrant expression of kallikreins in human cancers. 2006 , 387, 795-9	25
1436	Multiple mechanisms underlie the aberrant expression of the human kallikrein 6 gene in breast cancer. 2006 , 387, 773-82	36
1435	Epigenetic events of disease progression in head and neck squamous cell carcinoma. 2006 , 132, 668-77	74
1434	Accurate quantification of DNA methylation using combined bisulfite restriction analysis coupled with the Agilent 2100 Bioanalyzer platform. 2006 , 34, e17	53
1433	Phenobarbital induces progressive patterns of GC-rich and gene-specific altered DNA methylation in the liver of tumor-prone B6C3F1 mice. 2006 , 91, 393-405	54
1432	De novo CpG island methylation in human cancer cells. 2006 , 66, 682-92	174
1431	Reprimo methylation is a potential biomarker of Barrett's-Associated esophageal neoplastic progression. 2006 , 12, 6637-42	47
1430	Reconstitution and mechanism of the stimulation of de novo methylation by human DNMT3L. 2006 , 281, 25893-902	135
1429	Cyclophilin a protects Peg3 from hypermethylation and inactive histone modification. 2006 , 281, 39081-7	17
1428	Developmental establishment of epigenotype: a role for dietary fatty acids?. 2006 , 50, 21-26	15
1427	Lower expression of p14ARF and p16INK4a correlates with higher DNMT3B expression in human oesophageal squamous cell carcinomas. 2006 , 25, 515-22	22
1426	Differential requirement for DNA methyltransferase 1 in maintaining human cancer cell gene promoter hypermethylation. 2006 , 66, 729-35	62

1425	Mutation accumulation in the intestine and colon of mice deficient in two intracellular glutathione peroxidases. 2006 , 66, 9845-51	37
1424	Aberrant methylation and deacetylation of deleted in liver cancer-1 gene in prostate cancer: potential clinical applications. 2006 , 12, 1412-9	80
1423	From Melanocytes to Melanoma. 2006 ,	17
1422	Hypermethylation of ASC/TMS1 is a sputum marker for late-stage lung cancer. 2006 , 66, 6210-8	84
1421	Human cancers express a mutator phenotype. 2006 , 103, 18238-42	292
1420	Low folate levels may protect against colorectal cancer. 2006 , 55, 1461-6	143
1419	A comprehensive analysis of allelic methylation status of CpG islands on human chromosome 11q: comparison with chromosome 21q. 2006 , 17, 300-6	6
1418	Studies on the methylation status of CpG sequences located in promoters of selected tumour suppressor genes in breast cancer cells. 2006 , 25, 1025-8	6
1417	Methylation of serum DNA is an independent prognostic marker in colorectal cancer. 2006 , 12, 7347-52	154
1416	Active cytosine demethylation triggered by a nuclear receptor involves DNA strand breaks. 2006 , 103, 11112-7	88
1415	DNA methylation regulates long-range gene silencing of an X-linked homeobox gene cluster in a lineage-specific manner. 2006 , 20, 3382-94	86
1414	Promoter hypermethylation profile of kidney cancer with new proapoptotic p53 target genes and clinical implications. 2006 , 12, 5040-6	55
1413	Genomic organization and expression pattern of scapinin (PHACTR3) in mouse and human. 2006 , 115, 23-9	7
1412	Epigenetic inactivation of TCF2 in ovarian cancer and various cancer cell lines. 2006 , 94, 914-21	42
1411	Pharmacokinetics, metabolism, and oral bioavailability of the DNA methyltransferase inhibitor 5-fluoro-2'-deoxycytidine in mice. 2006 , 12, 7483-91	48
1410	Frequent epigenetic inactivation of spleen tyrosine kinase gene in human hepatocellular carcinoma. 2006 , 12, 6687-95	59
1409	Epigenetic inactivation of Betaig-h3 gene in human cancer cells. 2006 , 66, 4566-73	44
1408	Epigenetic silencing and tissue independent expression of a novel tetracycline inducible system in double-transgenic pigs. 2006 , 20, 1200-2	62

1407	Endocrine disruption for endocrinologists (and others). 2006 , 147, S1-3	53
1406	Methylation of endogenous human retroelements in health and disease. 2006 , 310, 211-50	161
1405	Integrated genetic and epigenetic analysis identifies three different subclasses of colon cancer. 2007 , 104, 18654-9	446
1404	Heritable rather than age-related environmental and stochastic factors dominate variation in DNA methylation of the human IGF2/H19 locus. 2007 , 16, 547-54	212
1403	DNA methylation errors in cloned mice disappear with advancement of aging. 2007 , 9, 293-302	18
1402	Overlapping roles of the methylated DNA-binding protein MBD1 and polycomb group proteins in transcriptional repression of HOXA genes and heterochromatin foci formation. 2007 , 282, 16391-400	37
1401	Haploinsufficient prostate tumor suppression by Nkx3.1: a role for chromatin accessibility in dosage-sensitive gene regulation. 2007 , 282, 25790-800	25
1400	Homeobox gene methylation in lung cancer studied by genome-wide analysis with a microarray-based methylated CpG island recovery assay. 2007 , 104, 5527-32	235
1399	MTHFR C677T has differential influence on risk of MSI and MSS colorectal cancer. 2007 , 16, 1072-7	28
1398	5-Azacytidine, a DNA methyltransferase inhibitor, induces ATR-mediated DNA double-strand break responses, apoptosis, and synergistic cytotoxicity with doxorubicin and bortezomib against multiple myeloma cells. 2007 , 6, 1718-27	142
1397	Genomic profiling of CpG methylation and allelic specificity using quantitative high-throughput mass spectrometry: critical evaluation and improvements. 2007 , 35, e119	200
1396	Epigenetic control of cellular senescence in disease: opportunities for therapeutic intervention. 2007 , 9, 1-26	8
1395	Global histone modifications predict prognosis of resected non small-cell lung cancer. 2007 , 25, 4358-64	232
1394	Predicting gene promoter methylation in non-small-cell lung cancer by evaluating sputum and serum. 2007 , 96, 1278-83	90
1393	Epigenetic targets in hematological malignancies: combination therapies with HDACis and demethylating agents. 2007 , 7, 1439-49	35
1392	Expression changes in EZH2, but not in BMI-1, SIRT1, DNMT1 or DNMT3B are associated with DNA methylation changes in prostate cancer. 2007 , 6, 1403-12	61
1391	CpG island methylation in a mouse model of lymphoma is driven by the genetic configuration of tumor cells. 2007 , 3, 1757-69	34
1390	DNA damage, homology-directed repair, and DNA methylation. 2007 , 3, e110	138

1389	Features and trend of loss of promoter-associated CpG islands in the human and mouse genomes. 2007 , 24, 1991-2000	40
1388	Aberrant DNA methylation of OLIG1, a novel prognostic factor in non-small cell lung cancer. 2007 , 4, e108	36
1387	Genome-wide profiling of DNA methylation reveals a class of normally methylated CpG island promoters. 2007 , 3, 2023-36	277
1386	Genetic Mechanisms and Aberrant Gene Expression during the Development of Gastric Intestinal Metaplasia and Adenocarcinoma. 2007 , 8, 379-97	18
1385	DNA methylation in health, disease, and cancer. 2007 , 7, 85-102	156
1384	The application of microarray technology to the analysis of the cancer genome. 2007 , 7, 103-20	45
1383	Nutrigenomics and the prevention of colon cancer. 2007 , 8, 121-4	9
1382	Nutrition in the 'omics' era. 2007 , 60, 1-24	9
1381	Butyrate mediates decrease of histone acetylation centered on transcription start sites and down-regulation of associated genes. 2007 , 17, 708-19	106
1380	Detection of promoter hypermethylation in serum samples of cancer patients by methylation-specific polymerase chain reaction for tumour suppressor genes including RUNX3. 2007 , 18, 1225	11
1379	DNA methylation profile at the DNMT3L promoter: a potential biomarker for cervical cancer. 2007 , 2, 80-5	37
1378	Epidemiology of lung cancer: ACCP evidence-based clinical practice guidelines (2nd edition). 2007 , 132, 29S-55S	464
1377	A translational view of the molecular pathogenesis of lung cancer. 2007 , 2, 327-43	237
1376	Stem cell chromatin patterns: an instructive mechanism for DNA hypermethylation?. 2007 , 6, 1040-3	92
1375	Global DNA hypomethylation in liver cancer cases and controls: a phase I preclinical biomarker development study. 2007 , 2, 223-6	31
1374	Evaluation of GATA-4 and GATA-5 methylation profiles in human pancreatic cancers indicate promoter methylation patterns distinct from other human tumor types. 2007 , 6, 1546-52	28
1373	EHA scientific workshop report: the role of epigenetics in hematological malignancies. 2007 , 2, 71-9	10
1372	Induction of DNA hypomethylation by tumor hypoxia. 2007 , 2, 119-25	146

1371	Modulation by budesonide of a CpG endonuclease in mouse lung tumors. 2007 , 28, 1499-503	13
1370	Malignant transformation-related genes in meningiomas: allelic loss on 1p36 and methylation status of p73 and RASSF1A. 2007 , 107, 398-404	45
1369	Oesophageal squamous cell carcinoma may develop within a background of accumulating DNA methylation in normal and dysplastic mucosa. 2007 , 56, 13-9	81
1368	Tumor-specific methylation of the 8p22 tumor suppressor gene DLC1 is an epigenetic biomarker for Hodgkin, nasal NK/T-cell and other types of lymphomas. 2007 , 2, 15-21	25
1367	Detection of hypermethylated DNA or cyclooxygenase-2 messenger RNA in fecal samples of patients with colorectal cancer or polyps. 2007 , 102, 1070-6	92
1366	Obesity. 2007 ,	11
1365	p300 expression repression by hypermethylation associated with tumour invasion and metastasis in oesophageal squamous cell carcinoma. 2007 , 60, 1249-53	20
1364	5-aza-2'-deoxycytidine delays androgen-independent disease and improves survival in the transgenic adenocarcinoma of the mouse prostate mouse model of prostate cancer. 2007 , 13, 2136-43	44
1363	Delivery of 5-aza-2'-deoxycytidine to cells using oligodeoxynucleotides. 2007 , 67, 6400-8	183
1362	A polycomb repression signature in metastatic prostate cancer predicts cancer outcome. 2007 , 67, 10657-63	270
1361	Epigenetic silencing of cyclooxygenase-2 affects clinical outcome in gastric cancer. 2007 , 25, 4887-94	64
1360	Synergistic function of DNA methyltransferases Dnmt3a and Dnmt3b in the methylation of Oct4 and Nanog. 2007 , 27, 8748-59	190
1359	Distinction of hereditary nonpolyposis colorectal cancer and sporadic microsatellite-unstable colorectal cancer through quantification of MLH1 methylation by real-time PCR. 2007 , 13, 3221-8	86
1358	Epigenetic inactivation of a cluster of genes flanking MLH1 in microsatellite-unstable colorectal cancer. 2007 , 67, 9107-16	58
1357	CMTM5 exhibits tumor suppressor activities and is frequently silenced by methylation in carcinoma cell lines. 2007 , 13, 5756-62	59
1356	MBD2 is required for correct spatial gene expression in the gut. 2007 , 27, 4049-57	27
1355	Tumor-specific methylation in saliva: a promising biomarker for early detection of head and neck cancer recurrence. 2007 , 13, 1179-85	141
1354	CpG island methylator phenotype association with elevated serum alpha-fetoprotein level in hepatocellular carcinoma. 2007 , 13, 944-52	56

1353	Epigenetic inactivation of RASSF1a in uveal melanoma. 2007 , 48, 486-90	63
1352	Promoter hypermethylation contributes to frequent inactivation of a putative conditional tumor suppressor gene connective tissue growth factor in ovarian cancer. 2007 , 67, 7095-105	67
1351	Discovery of novel epigenetic markers in non-Hodgkin's lymphoma. 2007 , 28, 60-70	75
1350	Suv4-20h deficiency results in telomere elongation and derepression of telomere recombination. 2007 , 178, 925-36	207
1349	Cancer genetics of epigenetic genes. 2007 , 16 Spec No 1, R28-49	200
1348	Towards Clinical Application of Methylated DNA Sequences as Cancer Biomarkers: A Joint NCI's EDNR and NIST Workshop on Standards, Methods, Assays, Reagents and Tools. 2007 , 67, 4545-9	70
1347	Identification and validation of colorectal neoplasia-specific methylation markers for accurate classification of disease. 2007 , 5, 153-63	50
1346	Dickkopf-1 is an epigenetically silenced candidate tumor suppressor gene in medulloblastoma. 2007 , 9, 135-44	53
1345	RIL, a LIM gene on 5q31, is silenced by methylation in cancer and sensitizes cancer cells to apoptosis. 2007 , 67, 1997-2005	61
1344	Ultradeep bisulfite sequencing analysis of DNA methylation patterns in multiple gene promoters by 454 sequencing. 2007 , 67, 8511-8	236
1343	Genome-epigenome interactions in cancer. 2007 , 16 Spec No 1, R96-105	50
1342	Epigenetic silencing of CYP24 in tumor-derived endothelial cells contributes to selective growth inhibition by calcitriol. 2007 , 282, 8704-14	61
1341	Pharmacologic disruption of Polycomb-repressive complex 2-mediated gene repression selectively induces apoptosis in cancer cells. 2007 , 21, 1050-63	704
1340	Array-based profiling of reference-independent methylation status (aPRIMES) identifies frequent promoter methylation and consecutive downregulation of ZIC2 in pediatric medulloblastoma. 2007 , 35, e51	54
1339	Action at a distance: epigenetic silencing of large chromosomal regions in carcinogenesis. 2007 , 16 Spec No 1, R88-95	95
1338	Hypermethylation of the breast cancer-associated gene 1 promoter does not predict cytologic atypia or correlate with surrogate end points of breast cancer risk. 2007 , 16, 50-6	20
1337	Hypermethylation of let-7a-3 in epithelial ovarian cancer is associated with low insulin-like growth factor-II expression and favorable prognosis. 2007 , 67, 10117-22	246
1336	Mechanisms of resistance to histone deacetylase inhibitors and their therapeutic implications. 2007 , 13, 7237-42	90

1335	Twenty-four non-synonymous polymorphisms in the one-carbon metabolic pathway and risk of colorectal adenoma in the Nurses' Health Study. 2007 , 28, 1510-9	54
1334	Delta DNMT3B variants regulate DNA methylation in a promoter-specific manner. 2007 , 67, 10647-52	45
1333	Highly methylated genes in colorectal neoplasia: implications for screening. 2007 , 16, 2686-96	105
1332	Epigenetic modifications of RASSF1A gene through chromatin remodeling in prostate cancer. 2007 , 13, 2541-8	55
1331	Synergistic in vivo antitumor effect of the histone deacetylase inhibitor MS-275 in combination with interleukin 2 in a murine model of renal cell carcinoma. 2007 , 13, 4538-46	76
1330	PRDM5 identified as a target of epigenetic silencing in colorectal and gastric cancer. 2007 , 13, 4786-94	78
1329	Epigenetic inactivation of IkappaB Kinase-alpha in oral carcinomas and tumor progression. 2007 , 13, 5041-7	52
1328	Association of Dnmt3a and thymine DNA glycosylase links DNA methylation with base-excision repair. 2007 , 35, 390-400	109
1327	Dynamics of Dnmt1 interaction with the replication machinery and its role in postreplicative maintenance of DNA methylation. 2007 , 35, 4301-12	172
1326	Non-mammalian models for epigenetic analyses in cancer. 2007 , 16 Spec No 1, R1-6	8
1325	Comparative integromics on JMJD1C gene encoding histone demethylase: Conserved POU5F1 binding site elucidating mechanism of JMJD1C expression in undifferentiated ES cells and diffuse-type gastric cancer. 2007 , 31, 219	5
1324	Up-regulation of DNA-methyltransferase 3A expression is associated with hypomethylation of intron 25 in human testicular germ cell tumors. 2007 , 212, 177-90	14
1323	Optimizing annealing temperature overcomes bias in bisulfite PCR methylation analysis. 2007 , 42, 48, 50, 52 passim	106
1322	Methylation status of the SOCS3 gene in human malignant melanomas. 2007 , 30, 689	3
1321	Results of a randomized study of 3 schedules of low-dose decitabine in higher-risk myelodysplastic syndrome and chronic myelomonocytic leukemia. 2007 , 109, 52-7	577
1320	WNT5A is epigenetically silenced in hematologic malignancies and inhibits leukemia cell growth as a tumor suppressor. 2007 , 110, 4130-2	47
1319	Rituximab as retreatment for rituximab pretreated HIV-associated multicentric Castleman disease. 2007 , 110, 4132-3	31
1318	Genomic methylation of peripheral blood leukocyte DNA: influences of arsenic and folate in Bangladeshi adults. 2007 , 86, 1179-86	163

1317	Methyl deficiency, alterations in global histone modifications, and carcinogenesis. 2007 , 137, 216S-222S	87
1316	Genomic Instability and DNA Repair. 2007 ,	
1315	Prostate cancer epigenetics: a review on gene regulation. 2007 , 1, 313-25	10
1314	Neosis - A Parasexual Somatic Reduction Division in Cancer. 2007 , 7, 29-48	8
1313	DNA methyltransferase inhibitors for cancer therapy. 2007 , 13, 17-22	90
1312	Cancer susceptibility: epigenetic manifestation of environmental exposures. 2007 , 13, 9-16	78
1311	DNA demethylating agents and histone deacetylase inhibitors in hematologic malignancies. 2007 , 13, 40-8	25
1310	Epigenetic DNA-methylation regulation of genes coding for lipid raft-associated components: A role for raft proteins in cell transformation and cancer progression (Review). 2007 ,	
1309	A ligation assay for multiplex analysis of CpG methylation using bisulfite-treated DNA. 2007 , 35, e144	25
1308	DNA methylation markers of surfactant proteins in lung cancer. 2007 ,	3
1307	Chapter 3 Comparative Sequence Analysis by MALDI-TOF Mass Spectrometry Utilizing the Known to Discover the New. 2007 , 97-117	
1306	Folate and colo-rectal cancer risk. 2007 , 98, 1299-304	18
1305	Enhanced therapeutic effect on androgen-independent prostate cancer by depsipeptide (FK228), a histone deacetylase inhibitor, in combination with docetaxel. 2007 , 70, 396-401	18
1304	The role of deoxyribonucleic acid methylation in development, diagnosis, and prognosis of bladder cancer. 2007 , 25, 228-35	9
1303	Evidence that tumor necrosis factor-related apoptosis-inducing ligand induction by 5-Aza-2'-deoxycytidine sensitizes human breast cancer cells to adriamycin. 2007 , 67, 1203-11	50
1302	Retinoblastoma epidemiology: does the evidence matter?. 2007 , 43, 1596-603	23
1301	Regulation of CXCR4 signaling. 2007 , 1768, 952-63	413
1300	Vitamin A and beta-carotene inhibitory effect during 1,2-dimethylhydrazine induced hepatocarcinogenesis potentiated by 5-azacytidine. 2007 , 45, 563-7	10

1299	Aberrant expression of deoxyribonucleic acid methyltransferases DNMT1, DNMT3A, and DNMT3B in women with endometriosis. 2007 , 87, 24-32	132
1298	Analysis of the vertebrate insulator protein CTCF-binding sites in the human genome. 2007 , 128, 1231-45	796
1297	The epigenomics of cancer. 2007 , 128, 683-92	3514
1296	The mammalian epigenome. 2007 , 128, 669-81	1661
1295	Augmentation of effects of interferon-stimulated genes by reversal of epigenetic silencing: potential application to melanoma. 2007 , 18, 491-501	15
1294	Comparative DNA methylation analysis in normal and tumour tissues and in cancer cell lines using differential methylation hybridisation. 2007 , 39, 1539-50	18
1293	The new frontier in cancer research: deciphering cancer epigenetics. 2007 , 39, 1450-61	15
1292	Frequent epigenetic inactivation of p53 target genes in seminomatous and nonseminomatous germ cell tumors. 2007 , 247, 137-42	18
1291	Links between DNA double strand break repair and breast cancer: accumulating evidence from both familial and nonfamilial cases. 2007 , 248, 1-17	79
1290	Larger numbers of silenced genes in cancer cell lines with increased de novo methylation of scattered CpG sites. 2007 , 249, 178-87	16
1289	Aberrant methylation of the 8p22 tumor suppressor gene DLC1 in renal cell carcinoma. 2007 , 249, 220-6	36
1288	Trichostatin A and 5-aza-2'-deoxycytidine switch S1P from an inhibitor to a stimulator of motility through epigenetic regulation of S1P receptors. 2007 , 250, 53-62	9
1287	Methods for detecting DNA methylation in tumors: from bench to bedside. 2007 , 251, 187-98	58
1286	Increased expression of DNA methyltransferase 1 (DNMT1) protein in uterine cervix squamous cell carcinoma and its precursor lesion. 2007 , 251, 211-9	39
1285	Quantification of CpG island methylation in progressive breast lesions from normal to invasive carcinoma. 2007 , 257, 136-44	41
1284	The induction of H3K9 methylation by PIWIL4 at the p16Ink4a locus. 2007 , 359, 497-502	60
1283	Differential expression of hDAB2IPA and hDAB2IPB in normal tissues and promoter methylation of hDAB2IPA in hepatocellular carcinoma. 2007 , 46, 655-63	48
1282	The molecular basis of congenital heart disease. 2007 , 19, 228-37	34

1281	CGG-repeat expansion in the DIP2B gene is associated with the fragile site FRA12A on chromosome 12q13.1. 2007 , 80, 221-31	71
1280	Mendelian Inheritance in Man and its online version, OMIM. 2007 , 80, 588-604	489
1279	Alterations of DNA methylation and histone modifications contribute to gene silencing in hepatocellular carcinomas. 2007 , 37, 974-83	168
1278	Gene methylation and early detection of genitourinary cancer: the road ahead. 2007 , 7, 531-43	69
1277	Mechanisms of disease: methyl-binding domain proteins as potential therapeutic targets in cancer. 2007 , 4, 305-15	92
1276	Multiple Stressors: A Challenge for the Future. 2007 ,	10
1275	Gene promoter hypermethylation in ductal lavage fluid from healthy BRCA gene mutation carriers and mutation-negative controls. 2007 , 9, R20	30
1274	Breast Cancer Chemosensitivity. 2007 ,	2
1273	Epigenetics and microRNAs. 2007 , 61, 24R-29R	472
1272	Acute Myelogenous Leukemia. 2007 ,	
1271	CpG island promoter hypermethylation of the pro-apoptotic gene caspase-8 is a common hallmark of relapsed glioblastoma multiforme. 2007 , 28, 1264-8	94
1270	Folate in colorectal cancer, prostate cancer and cardiovascular disease. 2007 , 67, 459-73	9
1269	Radiation-induced lung adenocarcinoma is associated with increased frequency of genes inactivated by promoter hypermethylation. 2007 , 168, 409-14	22
1268	Lung cancer in never smokers: a review. 2007 , 25, 561-70	494
1267	Alterations of DNA methylation associated with abnormalities of DNA methyltransferases in human cancers during transition from a precancerous to a malignant state. 2007 , 28, 2434-42	160
1266	The human let-7a-3 locus contains an epigenetically regulated microRNA gene with oncogenic function. 2007 , 67, 1419-23	399
1265	Characterization of in vitro and in vivo hypomethylating effects of decitabine in acute myeloid leukemia by a rapid, specific and sensitive LC-MS/MS method. 2007 , 35, e31	64
1264	MS-FLAG, a novel real-time signal generation method for methylation-specific PCR. 2007 , 53, 2119-27	29

1263	Identification of methylation-associated gene expression in neuroendocrine pancreatic tumor cells. 2007 , 7, 352-9	10
1262	Oxidative stress modulates DNA methylation during melanocyte anchorage blockade associated with malignant transformation. 2007 , 9, 1111-21	110
1261	Rapid identification of promoter hypermethylation in hepatocellular carcinoma by pyrosequencing of etiologically homogeneous sample pools. 2007 , 9, 510-20	24
1260	Methylation-sensitive high resolution melting (MS-HRM): a new approach for sensitive and high-throughput assessment of methylation. 2007 , 35, e41	390
1259	Genetic and epigenetic alterations as biomarkers for cancer detection, diagnosis and prognosis. 2007 , 1, 26-41	134
1258	Telomere length modulates human radiation sensitivity in vitro. 2007 , 172, 29-36	35
1257	Arsenic salts induced autophagic cell death and hypermethylation of DAPK promoter in SV-40 immortalized human uroepithelial cells. 2007 , 173, 48-56	52
1256	Concise review: roles of polycomb group proteins in development and disease: a stem cell perspective. 2007 , 25, 2498-510	164
1255	Molecular prognostic markers in locally advanced colon cancer. 2007 , 6, 683-90	45
1254	Aberrant epigenetic modifications in hepatocarcinogenesis induced by hepatitis B virus X protein. 2007 , 132, 1476-94	247
1253	Colorectal cancer epigenetics: the role of environmental factors and the search for molecular biomarkers. 2007 , 25, 101-54	15
1252	p53, BRCA1 and breast Cancer chemoresistance. 2007 , 608, 70-86	31
1251	Novel three-dimensional organotypic liver bioreactor to directly visualize early events in metastatic progression. 2007 , 97, 225-46	68
1250	LINE-1 hypomethylation in cancer is highly variable and inversely correlated with microsatellite instability. 2007 , 2, e399	202
1249	Putative zinc finger protein binding sites are over-represented in the boundaries of methylation-resistant CpG islands in the human genome. 2007 , 2, e1184	15
1248	Epigenetics--DNA-based mirror of our environment?. 2007 , 23, 121-37	26
1247	Epigenetic regulation of chemosensitivity to 5-fluorouracil and cisplatin by zebularine in oral squamous cell carcinoma. 2007 ,	4
1246	Cancer diagnosis, risk assessment and prediction of therapeutic response by means of DNA methylation markers. 2007 , 23, 89-96	12

1245	DNA methylation in colorectal cancer--impact on screening and therapy monitoring modalities?. 2007 , 23, 51-71	47
1244	DNA Methylation in Circulating Tumour DNA as a Biomarker for Cancer. 2007 , 2, 117727190700200	21
1243	Folate deficiency induces cell-specific changes in the steady-state transcript levels of genes involved in folate metabolism and 1-carbon transfer reactions in human colonic epithelial cells. 2007 , 137, 607-13	26
1242	Cytokine Regulation of Immune Tolerance to Tumors. 2007 , 43-61	1
1241	The biological revolution: understanding the impact of SNPs on diet-cancer interrelationships. 2007 , 137, 253S-258S	8
1240	Frequent DNA methylation but not mutation of the ID4 gene in malignant lymphoma. 2007 , 47, 15-8	28
1239	Mild depletion of dietary folate combined with other B vitamins alters multiple components of the Wnt pathway in mouse colon. 2007 , 137, 2701-8	32
1238	Melanoma-associated antigen-A1 expression predicts resistance to docetaxel and paclitaxel in advanced and recurrent gastric cancer. 2007 ,	1
1237	Insights on the functional role of chromatin remodelers in osteogenic cells. 2007 , 17, 103-13	8
1236	Ontogenetic structural and material variations in ovine calcanei: a model for interpreting bone adaptation. 2007 , 290, 284-300	27
1235	DNA methylation with a sting: an active DNA methylation system in the honeybee. 2007 , 29, 208-11	30
1234	Cancer genome sequencing: the challenges ahead. 2007 , 29, 783-94	79
1233	DNA demethylation of vascular endothelial growth factor-C is associated with gene expression and its possible involvement of lymphangiogenesis in gastric cancer. 2007 , 120, 1689-95	20
1232	Frequent inactivation of SPARC by promoter hypermethylation in colon cancers. 2007 , 121, 567-75	104
1231	Epigenetic silencing of CDX2 is a feature of squamous esophageal cancer. 2007 , 121, 1219-26	29
1230	Differential DNA methylation associated with hepatitis B virus infection in hepatocellular carcinoma. 2007 , 121, 1257-64	63
1229	Quantitative hypermethylation of NMDAR2B in human gastric cancer. 2007 , 121, 1994-2000	40
1228	MicroRNA epigenetic alterations in human cancer: one step forward in diagnosis and treatment. 2008 , 122, 963-8	75

1227	The commonality of plasticity underlying multipotent tumor cells and embryonic stem cells. 2007 , 101, 908-17	51
1226	DNA methylation: the nuts and bolts of repression. 2007 , 213, 384-90	504
1225	Candidate glioblastoma development gene identification using concordance between copy number abnormalities and gene expression level changes. 2007 , 46, 875-94	26
1224	The putative tumor suppressor AIM2 is frequently affected by different genetic alterations in microsatellite unstable colon cancers. 2007 , 46, 1080-9	71
1223	Aberrant methylation of E-cadherin and H-cadherin genes in nonsmall cell lung cancer and its relation to clinicopathologic features. 2007 , 110, 2785-92	66
1222	Dual action on promoter demethylation and chromatin by an isothiocyanate restored GSTP1 silenced in prostate cancer. 2007 , 46, 24-31	102
1221	Epigenetic reprogramming of liver cells in tamoxifen-induced rat hepatocarcinogenesis. 2007 , 46, 187-97	41
1220	Frequent hypermethylation of MST1 and MST2 in soft tissue sarcoma. 2007 , 46, 865-71	128
1219	Folate and colorectal cancer: an evidence-based critical review. 2007 , 51, 267-92	289
1218	Decitabine--bedside to bench. 2007 , 61, 140-52	134
1217	Aberrant methylation in pediatric myelodysplastic syndrome. 2007 , 31, 175-81	34
1216	Sp1/Sp3 and DNA-methylation contribute to basal transcriptional activation of human podoplanin in MG63 versus Saos-2 osteoblastic cells. 2007 , 8, 20	50
1215	Single-cell duplex RT-LATE-PCR reveals Oct4 and Xist RNA gradients in 8-cell embryos. 2007 , 7, 87	21
1214	Quantitative determination of the cytidine deaminase inhibitor tetrahydrouridine (THU) in mouse plasma by liquid chromatography/electrospray ionization tandem mass spectrometry. 2007 , 21, 1991-7	10
1213	Decreased EXT expression and intracellular accumulation of heparan sulphate proteoglycan in osteochondromas and peripheral chondrosarcomas. 2007 , 211, 399-409	54
1212	Identification of a unique epigenetic sub-microenvironment in prostate cancer. 2007 , 211, 410-9	48
1211	Phosphoproteomics for the discovery of kinases as cancer biomarkers and drug targets. 2007 , 1, 1042-57	38
1210	Promoter hypermethylation of GSTP1, AR, and 14-3-3sigma in serum of prostate cancer patients and its clinical relevance. 2007 , 67, 427-32	73

1209	Viral oncoproteins target the DNA methyltransferases. 2007 , 26, 1650-5	196
1208	Pharmacologic inhibition of epigenetic modifications, coupled with gene expression profiling, reveals novel targets of aberrant DNA methylation and histone deacetylation in lung cancer. 2007 , 26, 2621-34	107
1207	Frequent epigenetic inactivation of cystatin M in breast carcinoma. 2007 , 26, 3089-94	31
1206	DNA methylation and histone modification regulate silencing of epithelial cell adhesion molecule for tumor invasion and progression. 2007 , 26, 3989-97	52
1205	Epigenetic silencing of HSulf-1 in ovarian cancer: implications in chemoresistance. 2007 , 26, 4969-78	93
1204	Frequent methylation-associated silencing of a candidate tumor-suppressor, CRABP1, in esophageal squamous-cell carcinoma. 2007 , 26, 6456-68	53
1203	A second-generation profiling system for quantitative methylation analysis of multiple gene promoters: application to lung cancer. 2007 , 26, 6518-25	14
1202	Epigenetic silencing of prostaglandin E receptor 2 (PTGER2) is associated with progression of neuroblastomas. 2007 , 26, 7401-13	41
1201	Epigenetic identification of ADAMTS18 as a novel 16q23.1 tumor suppressor frequently silenced in esophageal, nasopharyngeal and multiple other carcinomas. 2007 , 26, 7490-8	91
1200	PRTFDC1, a possible tumor-suppressor gene, is frequently silenced in oral squamous-cell carcinomas by aberrant promoter hypermethylation. 2007 , 26, 7921-32	37
1199	Arabidopsis histone deacetylase 6: a green link to RNA silencing. 2007 , 26, 5477-88	39
1198	Polycomb-mediated methylation on Lys27 of histone H3 pre-marks genes for de novo methylation in cancer. 2007 , 39, 232-6	944
1197	A stem cell-like chromatin pattern may predispose tumor suppressor genes to DNA hypermethylation and heritable silencing. 2007 , 39, 237-42	895
1196	The E3 ligase HACE1 is a critical chromosome 6q21 tumor suppressor involved in multiple cancers. 2007 , 13, 1060-9	105
1195	Methylation-sensitive single-nucleotide primer extension (Ms-SNuPE) for quantitative measurement of DNA methylation. 2007 , 2, 1931-6	61
1194	The epigenetic regulation of mammalian telomeres. <i>Nature Reviews Genetics</i> , 2007 , 8, 299-309	30.1 528
1193	A novel role for histone chaperones CAF-1 and Rtt106p in heterochromatin silencing. 2007 , 26, 2274-83	61
1192	Unraveling the complex regulation of stem cells: implications for aging and cancer. 2007 , 21, 612-21	31

1191	Aberrant DNA methylation of the Src kinase Hck, but not of Lyn, in Philadelphia chromosome negative acute lymphocytic leukemia. 2007 , 21, 906-11	30
1190	Molecular studies of major depressive disorder: the epigenetic perspective. 2007 , 12, 799-814	232
1189	Histone modifications as markers of cancer prognosis: a cellular view. 2007 , 97, 1-5	113
1188	The tumor suppressor Wnt inhibitory factor 1 is frequently methylated in nasopharyngeal and esophageal carcinomas. 2007 , 87, 644-50	84
1187	DNA methylation in breast and colorectal cancers. 2007 , 20, 711-21	102
1186	Hypomethylation of LINE-1 and Alu in well-differentiated neuroendocrine tumors (pancreatic endocrine tumors and carcinoid tumors). 2007 , 20, 802-10	119
1185	Phenotypic plasticity and the epigenetics of human disease. 2007 , 447, 433-40	1288
1184	Promoter hypomethylation of protease-activated receptor 2 associated with carcinogenesis in the stomach. 2007 , 22, 943-8	10
1183	Epigenetic events, remodelling enzymes and their relationship to chromatin organization in prostatic intraepithelial neoplasia and prostatic adenocarcinoma. 2007 , 99, 908-15	57
1182	Chronic administration of valproic acid inhibits PC3 cell growth by suppressing tumor angiogenesis in vivo. 2007 , 14, 838-45	19
1181	Complete response of deep neutrophilic dermatosis associated with myelodysplastic syndrome to 5-azacytidine. 2007 , 156, 1039-41	14
1180	DNA methylation of the RIZ1 gene is associated with nuclear accumulation of p53 in prostate cancer. 2007 , 98, 32-6	24
1179	Multistep carcinogenesis of the colon in Apc(Min/+) mouse. 2007 , 98, 6-10	111
1178	Increased expression of h-prune is associated with tumor progression and poor survival in gastric cancer. 2007 , 98, 1198-205	23
1177	Methylation levels of LINE-1 repeats and CpG island loci are inversely related in normal colonic mucosa. 2007 , 98, 1454-60	64
1176	Molecular pathogenesis of hepatocellular carcinoma. 2008 , 28, 160-74	113
1175	Epigenetic events in malignant melanoma. 2007 , 20, 92-111	66
1174	Epigenetic changes in cancer. 2007 , 115, 1039-59	282

1173	Chromatin-modifying proteins in cancer. 2007 , 115, 1060-89	29
1172	DNA adenine methylation changes dramatically during establishment of symbiosis. 2007 , 274, 951-62	18
1171	Roles of secreted frizzled-related proteins in cancer. 2007 , 28, 1499-504	47
1170	Ligands of peroxisome proliferator-activated receptor inhibit homocysteine-induced DNA methylation of inducible nitric oxide synthase gene. 2007 , 39, 366-76	21
1169	Association of diminished expression of RASSF1A with promoter methylation in primary gastric cancer from patients of central China. 2007 , 7, 120	29
1168	Heritable clustering and pathway discovery in breast cancer integrating epigenetic and phenotypic data. 2007 , 8, 38	11
1167	Expression and genomic profiling of colorectal cancer. 2007 , 1775, 103-37	65
1166	DNA hypomethylation and human diseases. 2007 , 1775, 138-62	355
1165	The interferon-alpha responsive gene TMEM7 suppresses cell proliferation and is downregulated in human hepatocellular carcinoma. 2007 , 177, 6-15	25
1164	Role of the polycomb repressive complex 2 in acute promyelocytic leukemia. 2007 , 11, 513-25	210
1163	DNA methylation profiling of myelodysplastic syndrome hematopoietic progenitor cells during in vitro lineage-specific differentiation. 2007 , 35, 712-23	30
1162	[Colorectal carcinogenesis. 2. Underlying epigenetic and genetic alterations and molecular classification of colorectal cancers]. 2007 , 144, 97-104	2
1161	Promoter-independent regulation of vimentin expression in mammary epithelial cells by val(12)ras and TGFbeta. 2007 , 313, 3718-28	14
1160	In situ detection of global DNA hypomethylation in exfoliative urine cytology of patients with suspected bladder cancer. 2007 , 82, 292-7	28
1159	In vitro and in vivo histone deacetylase inhibitor therapy with suberoylanilide hydroxamic acid (SAHA) and paclitaxel in ovarian cancer. 2007 , 104, 596-601	49
1158	Hypermethylation of two consecutive tumor suppressor genes, BLU and RASSF1A, located at 3p21.3 in cervical neoplasias. 2007 , 104, 629-35	40
1157	Histone deacetylase inhibitors induce apoptosis in both Type I and Type II endometrial cancer cells. 2007 , 105, 493-500	25
1156	The UHRF family: oncogenes that are drugable targets for cancer therapy in the near future?. 2007 , 115, 419-34	130

1155	Regulatory networks: linking microarray data to systems biology. 2007 , 128, 168-72	21
1154	Evolution of cancer stem cells. 2007 , 17, 204-13	55
1153	Epigenetics and aging: the targets and the marks. 2007 , 23, 413-8	518
1152	Induction of microRNAome deregulation in rat liver by long-term tamoxifen exposure. 2007 , 619, 30-7	110
1151	DNA methylation immediately adjacent to active histone marking does not silence transcription. 2007 , 35, 801-11	21
1150	Differences between human embryonic stem cell lines. 2007 , 13, 103-20	166
1149	Epigenetic epidemiology of the developmental origins hypothesis. 2007 , 27, 363-88	629
1148	Methylation and gene silencing of the Ras-related GTPase gene in lung and breast cancers. 2007 , 14, 1397-404	29
1147	Aberrant methylation of IL-12Rbeta2 gene in lung adenocarcinoma cells is associated with unfavorable prognosis. 2007 , 14, 2636-42	16
1146	Treatment options in advanced myelodysplastic syndrome, with emphasis on epigenetic therapy. 2007 , 86, 306-14	14
1145	Application of DNA methyltransferases in targeted DNA methylation. 2007 , 75, 1233-40	27
1144	Germline methylation patterns inferred from local nucleotide frequency of repetitive sequences in the human genome. 2007 , 18, 277-85	5
1143	Potential advantages of DNA methyltransferase 1 (DNMT1)-targeted inhibition for cancer therapy. 2007 , 85, 1137-48	52
1142	[DNA methylation on urinalysis and as a prognostic marker in urothelial cancer of the bladder]. 2007 , 46, 761-8	7
1141	[Epigenetic processes in prostate carcinoma. Study of cellular information carriers beyond DNA sequence]. 2007 , 46, 1080-1	
1140	Hypermethylation of SFRP2 as a potential marker for stool-based detection of colorectal cancer and precancerous lesions. 2007 , 52, 2287-91	68
1139	The role of ATM in breast cancer development. 2007 , 104, 121-8	51
1138	Epigenetic inactivation of E-cadherin by promoter hypermethylation in oral carcinoma cells. 2007 , 95, 24-9	21

1137	DNA stool test for colorectal cancer: hypermethylation of the secreted frizzled-related protein-1 gene. 2007 , 50, 1618-26; discussion 1626-7	44
1136	Prädiktive Biomarker. 2007 , 13, 56-66	0
1135	Epigenetische Inaktivierung von Genexpression. 2007 , 13, 46-55	
1134	Aberrant methylation of p16 predicts candidates for 5-fluorouracil-based adjuvant therapy in gastric cancer patients. 2007 , 42, 866-73	37
1133	DNMT1 and HDAC1 gene expression in impaired spermatogenesis and testicular cancer. 2007 , 127, 175-81	54
1132	Expression of human DNA methyltransferase 1 in colorectal cancer tissues and their corresponding distant normal tissues. 2007 , 22, 661-6	25
1131	SFRP2 methylation in fecal DNA--a marker for colorectal polyps. 2008 , 23, 15-9	59
1130	Adjuvant therapy for high-risk renal cell carcinoma patients. 2007 , 8, 19-30	26
1129	Multiscale models for the growth of avascular tumors. 2007 , 4, 128-156	62
1128	Quantitative hypermethylation of a small panel of genes augments the diagnostic accuracy in fine-needle aspirate washings of breast lesions. 2008 , 109, 27-34	46
1127	DNA hypermethylation of PITX2 is a marker of poor prognosis in untreated lymph node-negative hormone receptor-positive breast cancer patients. 2008 , 111, 429-37	89
1126	Age and gender affect DNMT3a and DNMT3b expression in human liver. 2008 , 24, 265-72	44
1125	Metastatic melanoma positively influences pregnancy outcome in a mouse model: could a deadly tumor support embryo life?. 2008 , 25, 65-73	2
1124	E-cadherin as an indicator of mesenchymal to epithelial reverting transitions during the metastatic seeding of disseminated carcinomas. 2008 , 25, 621-8	265
1123	Die Bedeutung der Epigenese für das Verständnis der Pathogenese aus humangenetischer Sicht. 2008 , 3, 9-17	2
1122	Methyl-CpG binding proteins: specialized transcriptional repressors or structural components of chromatin?. 2008 , 65, 1509-22	171
1121	Concentrations of the DNA methyltransferase inhibitor 5-fluoro-2'-deoxycytidine (FdCyd) and its cytotoxic metabolites in plasma of patients treated with FdCyd and tetrahydrouridine (THU). 2008 , 62, 363-8	63
1120	MiRNAs, epigenetics, and cancer. 2008 , 19, 517-25	67

1119	[Epigenetic aspects in carcinomas of the head and neck]. 2008 , 56, 594-602	3
1118	Breast cancer epigenetics: normal human mammary epithelial cells as a model system. 2008 , 86, 1315-28	62
1117	[CpG island hypermethylation of the DNA. Perspectives of a molecular biomarker for prostate cancer]. 2008 , 47, 1205-7	2
1116	DNA (cytosine-5)-methyltransferase 1 as a mediator of mutant p53-determined p16(ink4A) down-regulation. 2008 , 15, 163-8	6
1115	A new era in prostate cancer therapy: new targets and novel therapeutics. 2008 , 3, 31-39	
1114	Polymorphisms and methylation of the reduced folate carrier in osteosarcoma. 2008 , 466, 2046-51	13
1113	The role of MTHFR gene in multiple myeloma. 2008 , 53, 499-507	19
1112	Cancerogenèse. Accroissement des connaissances et Évolution des concepts. 2008 , 10, 319-347	2
1111	Hypomethylation of hepatocyte nuclear factor-1beta (HNF-1beta) CpG island in clear cell carcinoma of the ovary. 2008 , 452, 175-80	25
1110	ER alpha negative breast cancer cells restore response to endocrine therapy by combination treatment with both HDAC inhibitor and DNMT inhibitor. 2008 , 134, 883-90	102
1109	Promoter hypermethylation-mediated inactivation of LRRC4 in gliomas. 2008 , 9, 99	25
1108	Down-regulation of DNMT3b in PC3 cells effects locus-specific DNA methylation, and represses cellular growth and migration. 2008 , 8, 13	28
1107	Preclinical evaluation of the antineoplastic action of 5-aza-2'-deoxycytidine and different histone deacetylase inhibitors on human Ewing's sarcoma cells. 2008 , 8, 16	37
1106	DNA methylation changes in ovarian cancer are cumulative with disease progression and identify tumor stage. 2008 , 1, 47	55
1105	Ovarian cancer plasticity and epigenomics in the acquisition of a stem-like phenotype. 2008 , 1, 8	27
1104	DNA demethylation and histone deacetylation inhibition co-operate to re-express estrogen receptor beta and induce apoptosis in prostate cancer cell-lines. 2008 , 68, 210-22	108
1103	Association between dense CADM1 promoter methylation and reduced protein expression in high-grade CIN and cervical SCC. 2008 , 215, 388-97	87
1102	Discovery of myopodin methylation in bladder cancer. 2008 , 216, 111-9	25

1101	Chemical regulation of epigenetic modifications: opportunities for new cancer therapy. 2008 , 28, 645-87	91
1100	Control of peripheral benzodiazepine receptor-mediated breast cancer in rats by soy protein. 2008 , 47, 310-9	4
1099	Methylation status of breast cancer resistance protein detected by methylation-specific polymerase chain reaction analysis is correlated inversely with its expression in drug-resistant lung cancer cells. 2008 , 112, 1122-30	25
1098	Clinical significance of aberrant methylation of prostaglandin E receptor 2 (PTGER2) in nonsmall cell lung cancer: association with prognosis, PTGER2 expression, and epidermal growth factor receptor mutation. 2008 , 113, 1396-403	19
1097	S-adenosyl L-methionine inhibits azoxymethane-induced colonic aberrant crypt foci in F344 rats and suppresses human colon cancer Caco-2 cell growth in 3D culture. 2008 , 122, 25-30	29
1096	Chromosomal deletion, promoter hypermethylation and downregulation of FYN in prostate cancer. 2008 , 122, 509-19	18
1095	Methylated TMS1 and DAPK genes predict prognosis and response to chemotherapy in gastric cancer. 2008 , 122, 603-8	58
1094	The DNA demethylating agent 5-aza-2'-deoxycytidine activates NY-ESO-1 antigenicity in orthotopic human glioma. 2008 , 122, 2542-53	78
1093	DNA methylation and histone modifications cause silencing of Wnt antagonist gene in human renal cell carcinoma cell lines. 2008 , 123, 535-42	50
1092	Identification of novel DNA methylation markers in cervical cancer. 2008 , 123, 161-7	155
1091	Proteomic identification of malignant transformation-related proteins in esophageal squamous cell carcinoma. 2008 , 104, 1625-35	87
1090	Real-time quantitative PCR analysis of pediatric ependymomas identifies novel candidate genes including TPR at 1q25 and CHIBBY at 22q12-q13. 2008 , 47, 1005-22	36
1089	Employment of Electrochemical Techniques for Metallothionein Determination in Tumor Cell Lines and Patients with a Tumor Disease. 2008 , 20, 1521-1532	39
1088	Methylation pattern analysis using high-throughput microarray of solid-phase hyperbranched rolling circle amplification products. 2008 , 29, 626-33	9
1087	Epigenetic identification of ubiquitin carboxyl-terminal hydrolase L1 as a functional tumor suppressor and biomarker for hepatocellular carcinoma and other digestive tumors. 2008 , 48, 508-18	119
1086	Synthesis of DNA dumbbell based inhibitors for the human DNA methyltransferase Dnmt1. 2008 , 47, 1515-8	14
1085	Synthese von hantelförmigen DNA-Inhibitoren für die humane DNA-Methyltransferase Dnmt1. 2008 , 120, 1538-1541	3
1084	Epigenetic and genetic analysis of the survivin promoter in acute myeloid leukemia. 2008 , 32, 1054-60	31

1083	Epigenetic regulation of signal transducer and activator of transcription 3 in acute myeloid leukemia. 2008 , 32, 1005-14	17
1082	Oxidative stress in ulcerative colitis-associated carcinogenesis. 2008 , 204, 511-24	179
1081	The potential role of histone deacetylase inhibitors in the treatment of non-small-cell lung cancer. 2008 , 68, 29-36	39
1080	Study of chemical stability of antivirally active 5-azacytosine acyclic nucleoside phosphonates using NMR spectroscopy. 2008 , 16, 6778-82	16
1079	Analysis of the substrate specificity of the Dim-5 histone lysine methyltransferase using peptide arrays. 2008 , 15, 5-11	65
1078	Noninvasive prenatal diagnosis of fetal chromosomal aneuploidies by maternal plasma nucleic acid analysis. 2008 , 54, 461-6	49
1077	The global histone modification pattern correlates with cancer recurrence and overall survival in gastric adenocarcinoma. 2008 , 15, 1968-76	147
1076	Cancer epigenetics: modifications, screening, and therapy. 2008 , 59, 267-80	214
1075	Hypermethylation of CXCR4 promoter in CD34+ cells from patients with primary myelofibrosis. 2008 , 26, 1920-30	82
1074	The potential of PARP inhibitors in genetic breast and ovarian cancers. 2008 , 1138, 136-45	49
1073	Rho GTPases of the RhoBTB subfamily and tumorigenesis. 2008 , 29, 285-95	61
1072	Histone modifications and chromatin dynamics: a focus on filamentous fungi. 2008 , 32, 409-39	112
1071	Tumor dormancy of primary and secondary cancers. 2008 , 116, 615-28	59
1070	Epigenetics: differential DNA methylation in mammalian somatic tissues. 2008 , 275, 1617-23	47
1069	Animal models for probing the developmental basis of disease and dysfunction paradigm. 2008 , 102, 76-81	25
1068	Epigenetic changes in cancer as potential targets for prophylaxis and maintenance therapy. 2008 , 103, 389-96	23
1067	Identification of novel sense and antisense transcription at the TRPM2 locus in cancer. 2008 , 18, 1128-40	84
1066	Methyl donor supplementation prevents transgenerational amplification of obesity. 2008 , 32, 1373-9	315

1065	MethyQESD, a robust and fast method for quantitative methylation analyses in HNPCC diagnostics using formalin-fixed and paraffin-embedded tissue samples. 2008 , 88, 1367-75	24
1064	Invasion suppressor cystatin E/M (CST6): high-level cell type-specific expression in normal brain and epigenetic silencing in gliomas. 2008 , 88, 910-25	48
1063	Gene silencing of TSPYL5 mediated by aberrant promoter methylation in gastric cancers. 2008 , 88, 153-60	31
1062	CpG island methylation profile of pancreatic intraepithelial neoplasia. 2008 , 21, 238-44	99
1061	Hypermethylation of tumor-suppressor gene CpG islands in small-cell carcinoma of the urinary bladder. 2008 , 21, 355-62	31
1060	Activation and transposition of endogenous retroviral elements in hypomethylation induced tumors in mice. 2008 , 27, 404-8	266
1059	Histone deacetylase inhibitor apicidin downregulates DNA methyltransferase 1 expression and induces repressive histone modifications via recruitment of corepressor complex to promoter region in human cervix cancer cells. 2008 , 27, 1376-86	59
1058	p21(WAF1/CIP1) induction by 5-azacytosine nucleosides requires DNA damage. 2008 , 27, 3615-23	78
1057	Epigenetic disruption of interferon-gamma response through silencing the tumor suppressor interferon regulatory factor 8 in nasopharyngeal, esophageal and multiple other carcinomas. 2008 , 27, 5267-76	65
1056	HLA antigen changes in malignant cells: epigenetic mechanisms and biologic significance. 2008 , 27, 5869-85	281
1055	Eliminating epigenetic barriers induces transient hormone-regulated gene expression in estrogen receptor negative breast cancer cells. 2008 , 27, 4075-85	24
1054	Identification of DNA hypermethylation of SOX9 in association with bladder cancer progression using CpG microarrays. 2008 , 98, 466-73	70
1053	SOX2 is frequently downregulated in gastric cancers and inhibits cell growth through cell-cycle arrest and apoptosis. 2008 , 98, 824-31	170
1052	Profiling CpG island field methylation in both morphologically normal and neoplastic human colonic mucosa. 2008 , 99, 136-42	69
1051	Fibulin 1 is downregulated through promoter hypermethylation in gastric cancer. 2008 , 99, 2083-7	61
1050	p14ARF hypermethylation is common but INK4a-ARF locus or p53 mutations are rare in Merkel cell carcinoma. 2008 , 128, 1788-96	47
1049	Can folate intake reduce arsenic toxicity?. 2008 , 66, 349-53	33
1048	Other one-carbon micronutrients and age modulate the effects of folate on colorectal carcinogenesis. 2008 , 66 Suppl 1, S15-7	5

1047	Aberrant promoter methylation of the TPEF gene in esophageal squamous cell carcinoma. 2008 , 21, 582-8	10
1046	Frequent silencing of a putative tumor suppressor gene melatonin receptor 1 A (MTNR1A) in oral squamous-cell carcinoma. 2008 , 99, 1390-400	75
1045	Role of the WWOX gene, encompassing fragile region FRA16D, in suppression of pancreatic carcinoma cells. 2008 , 99, 1370-6	28
1044	Frequent aberrant methylation of the promoter region of sterile alpha motif domain 14 in pulmonary adenocarcinoma. 2008 , 99, 2177-84	12
1043	The methylation pattern of p16INK4a gene promoter in psoriatic epidermis and its clinical significance. 2008 , 158, 987-93	61
1042	Epigenetic inactivation of secreted Frizzled-related proteins in acute myeloid leukaemia. 2008 , 142, 745-53	52
1041	High frequency of RASSF1A and RARb2 gene promoter methylation in morphologically normal endometrium adjacent to endometrioid adenocarcinoma. 2008 , 53, 525-32	26
1040	Epigenetic and HIF-1 regulation of stanniocalcin-2 expression in human cancer cells. 2008 , 314, 1823-30	48
1039	Aberrant gene promoter methylation in plasma cell dyscrasias. 2008 , 84, 256-61	18
1038	DNA methylation changes in ovarian cancer: implications for early diagnosis, prognosis and treatment. 2008 , 109, 129-39	150
1037	Epigenetic silencing of the WNT antagonist DICKKOPF-1 in cervical cancer cell lines. 2008 , 109, 270-4	47
1036	Model-based clustering of DNA methylation array data: a recursive-partitioning algorithm for high-dimensional data arising as a mixture of beta distributions. 2008 , 9, 365	152
1035	Kismeth: analyzer of plant methylation states through bisulfite sequencing. 2008 , 9, 371	188
1034	Probe signal correction for differential methylation hybridization experiments. 2008 , 9, 453	8
1033	Ploidy status and copy number aberrations in primary glioblastomas defined by integrated analysis of allelic ratios, signal ratios and loss of heterozygosity using 500K SNP Mapping Arrays. 2008 , 9, 489	36
1032	Human glycolipid transfer protein (GLTP) genes: organization, transcriptional status and evolution. 2008 , 9, 72	18
1031	Quantitative correlation between promoter methylation and messenger RNA levels of the reduced folate carrier. 2008 , 8, 124	25
1030	Importance of dose-schedule of 5-aza-2'-deoxycytidine for epigenetic therapy of cancer. 2008 , 8, 128	51

1029	DNA methylation patterns in bladder cancer and washing cell sediments: a perspective for tumor recurrence detection. 2008 , 8, 238	34
1028	Methylation screening of the TGFBI promoter in human lung and prostate cancer by methylation-specific PCR. 2008 , 8, 284	34
1027	Alterations of DNA methylation and clinicopathological diversity of human cancers. 2008 , 58, 544-58	67
1026	Genetics and epigenetics of renal cell cancer. 2008 , 1785, 133-55	68
1025	Quercetin augments TRAIL-induced apoptotic death: involvement of the ERK signal transduction pathway. 2008 , 75, 1946-58	135
1024	Promoter methylation of O(6)-methylguanine-DNA-methyltransferase in lung cancer is regulated by p53. 2008 , 7, 1352-63	21
1023	Risk Factors and Genetic Markers of Human Papillomavirus-induced Cervical Carcinogenesis: A Focus on Chinese Populations in Southeast Asia and Southern China. 2008 , 20, 91-100	1
1022	Histone acetylation and chromatin signature in stem cell identity and cancer. 2008 , 637, 1-15	61
1021	The relationship between 8-oxo-7,8-dihydro-2'-deoxyguanosine level and extent of cytosine methylation in leukocytes DNA of healthy subjects and in patients with colon adenomas and carcinomas. 2008 , 640, 170-3	46
1020	Large-scale analysis of the genetic and epigenetic alterations in hepatocellular carcinoma from Southeast China. 2008 , 641, 27-35	39
1019	Epigenetic drivers and genetic passengers on the road to cancer. 2008 , 642, 1-13	114
1018	Roles of the EZH2 histone methyltransferase in cancer epigenetics. 2008 , 647, 21-9	614
1017	Epigenomics and breast cancer. 2008 , 9, 1879-902	135
1016	Personalized Medicine for Cancer. 2008 , 93-107	
1015	In vitro analysis of integrated global high-resolution DNA methylation profiling with genomic imbalance and gene expression in osteosarcoma. 2008 , 3, e2834	66
1014	Homo sapiens lactate dehydrogenase c (Ldhc) gene expression in cancer cells is regulated by transcription factor Sp1, CREB, and CpG island methylation. 2009 , 30, 157-67	26
1013	Promoter hypermethylation of the MEG3 (DLK1/MEG3) imprinted gene in multiple myeloma. 2008 , 8, 171-5	75
1012	Phenylhexyl isothiocyanate has dual function as histone deacetylase inhibitor and hypomethylating agent and can inhibit myeloma cell growth by targeting critical pathways. 2008 , 1, 6	35

1011	The role of the epigenetic signal, DNA methylation, in gene regulation during erythroid development. 2008 , 82, 85-116	20
1010	Specificity of protein lysine methyltransferases and methods for detection of lysine methylation of non-histone proteins. 2008 , 4, 1186-90	29
1009	Epigenetic markers of ovarian cancer. 2008 , 622, 35-51	11
1008	Rethinking periodontal inflammation. 2008 , 79, 1577-84	172
1007	Epigenetic inhibition of nuclear receptor small heterodimer partner is associated with and regulates hepatocellular carcinoma growth. 2008 , 134, 793-802	83
1006	Methylation of the calcium channel-related gene, CACNA2D3, is frequent and a poor prognostic factor in gastric cancer. 2008 , 135, 580-90	70
1005	Methods of Cancer Diagnosis, Therapy and Prognosis. 2008 ,	13
1004	Telomeres and Telomerase in Ageing, Disease, and Cancer. 2008 ,	1
1003	Ovarian Cancer. 2008 ,	2
1002	Epigenetics in Cancer Stem Cell Development. 197-215	
1001	Checkpoint Responses in Cancer Therapy. 2008 ,	1
1000	Targeted Cancer Therapy. 2008 ,	6
999	Constrained analogues of procaine as novel small molecule inhibitors of DNA methyltransferase-1. 2008 , 51, 2321-5	84
998	Hypermethylation analysis of mismatch repair genes (hmlh1 and hmsh2) in locally advanced breast cancers in Indian women. 2008 , 39, 672-80	15
997	Clinical significance of promoter hypermethylation of RASSF1A, RARbeta2, BRCA1 and HOXA5 in breast cancers of Indian patients. 2008 , 82, 1288-92	21
996	Developmental and transplacental genotoxicology: fluconazole. 2008 , 657, 43-7	12
995	Epigenetic interplay between histone modifications and DNA methylation in gene silencing. 2008 , 659, 40-8	425
994	Epigenetic connections between autoimmune disorders and haematological malignancies. 2008 , 29, 616-23	24

993	Genetic and epigenetic alterations in breast cancer: what are the perspectives for clinical practice?. 2008 , 40, 565-75	20
992	Involvement of CCAAT/enhancer binding protein-beta (C/EBPbeta) in epigenetic regulation of mouse methionine adenosyltransferase 1A gene expression. 2008 , 40, 1956-69	14
991	Alternative lengthening of telomeres (ALT) and chromatin: is there a connection?. 2008 , 90, 5-12	23
990	Cell cycle regulated phosphorylation of LIMD1 in cell lines and expression in human breast cancers. 2008 , 267, 55-66	30
989	Environment, diet and CpG island methylation: epigenetic signals in gastrointestinal neoplasia. 2008 , 46, 1346-59	64
988	Epigenetic events in normal colonic mucosa surrounding colorectal cancer lesions. 2008 , 44, 2689-95	25
987	Global genomic methylation levels in the liver and gonads of the three-spine stickleback (<i>Gasterosteus aculeatus</i>) after exposure to hexabromocyclododecane and 17-beta oestradiol. 2008 , 34, 310-7	52
986	Aberrant methylation of human L- and M-fructose 1,6-bisphosphatase genes in cancer. 2008 , 377, 720-724	22
985	High-content analysis of cancer genome DNA alterations. 2008 , 18, 68-72	13
984	Genome-wide combination profiling of copy number and methylation offers an approach for deciphering misregulation and development in cancer cells. 2008 , 407, 139-47	7
983	Positive histone marks are associated with active transcription from a methylated ICSBP/IRF8 gene. 2008 , 410, 259-67	11
982	[Epigenetics of cancer]. 2008 , 31, 37-45	4
981	Epigenetic treatment of myelodysplastic syndromes and acute myeloid leukemias. 2008 , 15, 1274-87	35
980	DNA hypermethylation contributes to incomplete synthesis of carbohydrate determinants in gastrointestinal cancer. 2008 , 135, 142-151.e3	84
979	Second-hand smoke and human lung cancer. 2008 , 9, 657-66	102
978	Aberrant transforming growth factor beta1 signaling and SMAD4 nuclear translocation confer epigenetic repression of ADAM19 in ovarian cancer. 2008 , 10, 908-19	52
977	[Study of aberrant methylation of TSG in saliva in case of upper-aerodigestive-tract cancer]. 2008 , 109, 226-32	1
976	Advances in chemical carcinogenesis: a historical review and prospective. 2008 , 68, 6863-72	215

975	5-Aza-2'-deoxycytidine restores proapoptotic function of p53 in cancer cells resistant to p53-induced apoptosis. 2008 , 26, 680-8	8
974	Chromatin-modifying enzymes as therapeutic targets--Part 1. 2008 , 12, 1301-12	60
973	The methyl-CpG-binding protein MeCP2 and neurological disease. 2008 , 36, 575-83	55
972	Primer: strategies for identifying genes involved in renal disease. 2008 , 4, 265-76	18
971	Folic acid supplementation and cancer risk: point. 2008 , 17, 2220-5	98
970	CXXC domain of human DNMT1 is essential for enzymatic activity. 2008 , 47, 10000-9	78
969	Solid-state nuclear magnetic resonance spectroscopy studies of furanose ring dynamics in the DNA HhaI binding site. 2008 , 130, 7305-14	25
968	A new 1'-methylenedisulfide deoxyribose that forms an efficient cross-link to DNA cytosine-5 methyltransferase (DNMT). 2008 , 130, 17634-5	11
967	Backbone dynamics in the DNA HhaI protein binding site. 2008 , 130, 9072-9	11
966	Carcinogen-induced gene promoter hypermethylation is mediated by DNMT1 and causal for transformation of immortalized bronchial epithelial cells. 2008 , 68, 9005-14	114
965	Molecular scale architecture: engineered three- and four-way junctions. 2008 , 19, 470-5	12
964	Retinoic acid receptor beta2 re-expression and growth inhibition in thyroid carcinoma cell lines after 5-aza-2'-deoxycytidine treatment. 2008 , 31, 724-30	14
963	Perspectives on obesity and sweeteners, folic acid fortification and vitamin D requirements. 2008 , 25 Suppl 1, i44-9	5
962	Pharmacogenomics of the National Cancer Institute's 60-Tumor Cell Panel. 2008 , 57-74	
961	DNA methyltransferase 3B (DNMT3B) mutations in ICF syndrome lead to altered epigenetic modifications and aberrant expression of genes regulating development, neurogenesis and immune function. 2008 , 17, 690-709	191
960	Biological background of pediatric medulloblastoma and ependymoma: a review from a translational research perspective. 2008 , 10, 1040-60	91
959	DNA methyltransferase and alcohol dehydrogenase: gene-nutrient interactions in relation to risk of colorectal polyps. 2008 , 17, 330-8	25
958	Genome-wide transcriptional response to 5-aza-2'-deoxycytidine and trichostatin a in multiple myeloma cells. 2008 , 68, 44-54	138

957	A requirement for DICER to maintain full promoter CpG island hypermethylation in human cancer cells. 2008 , 68, 2570-5	45
956	Identification of PMF1 methylation in association with bladder cancer progression. 2008 , 14, 8236-43	34
955	The early expressed HIV-1 genes regulate DNMT1 expression. 2008 , 3, 149-56	43
954	A review of dietary factors and its influence on DNA methylation in colorectal carcinogenesis. 2008 , 3, 193-8	75
953	Epigenetic changes in gliomas. 2008 , 7, 1326-34	23
952	Asbestos exposure predicts cell cycle control gene promoter methylation in pleural mesothelioma. 2008 , 29, 1555-9	74
951	A work in progress: the clinical development of histone deacetylase inhibitors. 2008 , 3, 164-71	68
950	MBD2-mediated transcriptional repression of the p14ARF tumor suppressor gene in human colon cancer cells. 2008 , 75, 281-7	22
949	Epigenetic downregulation of the suppressor of cytokine signaling 1 (Socs1) gene is associated with the STAT3 activation and development of hepatocellular carcinoma induced by methyl-deficiency in rats. 2008 , 7, 3202-10	32
948	Molecular profiling in the age of cancer genomics. 2008 , 8, 263-76	8
947	Homocysteine-mediated PPARAlpha,gamma DNA methylation and its potential pathogenic mechanism in monocytes. 2008 , 27, 143-50	32
946	Epithelial progeny of estrogen-exposed breast progenitor cells display a cancer-like methylome. 2008 , 68, 1786-96	120
945	CpG island methylator phenotype associates with low-degree chromosomal abnormalities in colorectal cancer. 2008 , 14, 6005-13	86
944	Chromatin dynamics in Triturus cristatus oogenesis: an epigenetic approach. 2008 , 16, 315-26	6
943	B-vitamin intake, one-carbon metabolism, and survival in a population-based study of women with breast cancer. 2008 , 17, 2109-16	47
942	Epigenetic regulation of neural cell differentiation plasticity in the adult mammalian brain. 2008 , 105, 18012-7	70
941	Long-term epigenetic therapy with oral zebularine has minimal side effects and prevents intestinal tumors in mice. 2008 , 1, 233-40	76
940	CCCTC-binding factor activates PARP-1 affecting DNA methylation machinery. 2008 , 283, 21873-80	106

939	DNA methylation inhibitor 5-Aza-2'-deoxycytidine induces reversible genome-wide DNA damage that is distinctly influenced by DNA methyltransferases 1 and 3B. 2008 , 28, 752-71	278
938	The transglutaminase 2 gene (TGM2), a potential molecular marker for chemotherapeutic drug sensitivity, is epigenetically silenced in breast cancer. 2008 , 29, 510-8	80
937	RUNX3 methylation reveals that bladder tumors are older in patients with a history of smoking. 2008 , 68, 6208-14	52
936	Variable DNA methylation patterns associated with progression of disease in hepatocellular carcinomas. 2008 , 29, 1901-10	106
935	Incorporation of zebularine from its 2'-deoxyribonucleoside triphosphate derivative and activity as a template-coding nucleobase. 2008 , 27, 131-45	6
934	Methylation of CpG island promoters in uveal melanoma. 2008 , 92, 281-5	23
933	Evaluation of the in vitro and in vivo antitumor activity of histone deacetylase inhibitors for the therapy of retinoblastoma. 2008 , 14, 3113-23	57
932	Selection against PUMA gene expression in Myc-driven B-cell lymphomagenesis. 2008 , 28, 5391-402	118
931	DNA methylation in tumor and matched normal tissues from non-small cell lung cancer patients. 2008 , 17, 645-54	128
930	Genetic instability is not a requirement for tumor development. 2008 , 68, 3558-60; discussion 3560-1	58
929	Effects of aneuploidy on genome structure, expression, and interphase organization in <i>Arabidopsis thaliana</i> . 2008 , 4, e1000226	74
928	Cause and consequences of genetic and epigenetic alterations in human cancer. 2008 , 9, 394-408	184
927	Genome-wide tracking of unmethylated DNA Alu repeats in normal and cancer cells. 2008 , 36, 770-84	83
926	Distal transgene insertion affects CpG island maintenance during differentiation. 2008 , 283, 11509-15	10
925	Epigenetic silencing of O6-methylguanine DNA methyltransferase gene in NiS-transformed cells. 2008 , 29, 1267-75	72
924	Epigenetic regulation of the human mucin gene MUC4 in epithelial cancer cell lines involves both DNA methylation and histone modifications mediated by DNA methyltransferases and histone deacetylases. 2008 , 22, 3035-45	54
923	Innovative Leukemia and Lymphoma Therapy. 2008 ,	
922	Downregulation of Dkk3 activates beta-catenin/TCF-4 signaling in lung cancer. 2008 , 29, 84-92	134

921	Tnk1/Kos1 knockout mice develop spontaneous tumors. 2008 , 68, 8723-32	25
920	WNT5A exhibits tumor-suppressive activity through antagonizing the Wnt/beta-catenin signaling, and is frequently methylated in colorectal cancer. 2008 , 14, 55-61	166
919	A phase II trial of vorinostat (suberoylanilide hydroxamic acid) in metastatic breast cancer: a California Cancer Consortium study. 2008 , 14, 7138-42	191
918	DNA methyltransferase 1 and 3B activate BAG-1 expression via recruitment of CTCFL/BORIS and modulation of promoter histone methylation. 2008 , 68, 2726-35	33
917	Frequent inactivation of a putative tumor suppressor, angiopoietin-like protein 2, in ovarian cancer. 2008 , 68, 5067-75	46
916	Enriched transcription factor binding sites in hypermethylated gene promoters in drug resistant cancer cells. 2008 , 24, 1745-8	8
915	Genomic DNA methylation among women in a multiethnic New York City birth cohort. 2008 , 17, 2306-10	145
914	Methylation of Tip30 promoter is associated with poor prognosis in human hepatocellular carcinoma. 2008 , 14, 7405-12	40
913	Stage-specific alterations of DNA methyltransferase expression, DNA hypermethylation, and DNA hypomethylation during prostate cancer progression in the transgenic adenocarcinoma of mouse prostate model. 2008 , 6, 1365-74	62
912	Further upregulation of beta-catenin/Tcf transcription is involved in the development of macroscopic tumors in the colon of ApcMin/+ mice. 2008 , 29, 666-72	25
911	Molecular alterations in spontaneous sputum of cancer-free heavy smokers: results from a large screening program. 2008 , 14, 1913-9	50
910	Loss of cannabinoid receptor 1 accelerates intestinal tumor growth. 2008 , 68, 6468-76	128
909	Anticancer drug discovery targeting DNA hypermethylation. 2008 , 15, 1350-75	37
908	Mining the epigenome for methylated genes in lung cancer. 2008 , 5, 806-10	31
907	Targeting epigenetic mechanisms: potential of natural products in cancer chemoprevention. 2008 , 74, 1593-601	48
906	Smoking-related genomic signatures in non-small cell lung cancer. 2008 , 178, 1164-72	33
905	Quantitative analysis of methylation of genomic loci in early-stage rectal cancer predicts distant recurrence. 2008 , 26, 2327-35	30
904	Prognostic significance of aberrant promoter hypermethylation of CpG islands in patients with diffuse large B-cell lymphomas. 2008 , 19, 1774-86	52

903	Polymorphisms of methionine metabolism and susceptibility to meningioma formation: laboratory investigation. 2008 , 108, 999-1004	20
902	Inactivation of miR-34a by aberrant CpG methylation in multiple types of cancer. 2008 , 7, 2591-600	652
901	Histone deacetylase inhibitors in lymphoma and solid malignancies. 2008 , 8, 413-32	78
900	Gender-specific modulation of tumorigenesis by folic acid supply in the Apc mouse during early neonatal life. 2008 , 99, 550-8	23
899	Co-enzyme Q10, riboflavin and niacin supplementation on alteration of DNA repair enzyme and DNA methylation in breast cancer patients undergoing tamoxifen therapy. 2008 , 100, 1179-82	19
898	Inhibition of DLC-1 gene expression by RNA interference in the colon cancer LoVo cell line. 2008 ,	
897	Methylenetetrahydrofolate Reductase C677T Polymorphism and Risk of Colorectal Cancer in the Macedonian Population. 2008 , 11, 17-24	1
896	A STOCHASTIC MODEL OF HUMAN COLON CANCER INVOLVING MULTIPLE PATHWAYS. 2008 , 345-373	
895	Bortezomib induces DNA hypomethylation and silenced gene transcription by interfering with Sp1/NF-kappaB-dependent DNA methyltransferase activity in acute myeloid leukemia. 2008 , 111, 2364-73	124
894	KSHV LANA inhibits TGF-beta signaling through epigenetic silencing of the TGF-beta type II receptor. 2008 , 111, 4731-40	98
893	The influence of promoter polymorphism of nuclear factor-erythroid 2-related factor 2 gene on the aberrant DNA methylation in gastric epithelium. 2008 ,	3
892	Environmental, Genetic, and Viral Causes of Cancer. 35-56	
891	Global DNA hypomethylation is associated with high serum-persistent organic pollutants in Greenlandic Inuit. 2008 , 116, 1547-52	277
890	Zebularine-induced reduction in VEGF secretion by HIF-1 β degradation in oral squamous cell carcinoma. 2008 ,	0
889	Novel Applications of the Paired-End diTag (PET) Technology in Pharmacogenomics. 2008 , 6, 23-32	
888	. 2008 ,	
887	Identification of DNA Methylation Markers for NSCLC Using HpaII-MspI Methylation Microarray. 2008 , 65, 495	1
886	Is folic acid good for everyone?. 2008 , 87, 517-33	423

885	OPCML is a broad tumor suppressor for multiple carcinomas and lymphomas with frequently epigenetic inactivation. 2008 , 3, e2990	84
884	Molecular Techniques. 2008 , 1071-1090	1
883	Postweaning dietary folate deficiency provided through childhood to puberty permanently increases genomic DNA methylation in adult rat liver. 2008 , 138, 703-9	47
882	DNA methylation analysis of the tumor suppressor gene CDKN2B in Brazilian leukemia patients. 2008 , 31, 632-638	4
881	Full PDF of Hematology Reviews 2009, volume 1, issue 1.. 2009 , 1, 1	
880	. 2009 ,	7
879	. 2009 ,	1
878	The role of azacitidine in the management of myelodysplastic syndromes (MDS). 2009 , Volume 1, 119-130	4
877	Effects of dietary supplementation of high-dose folic acid on biomarkers of methylating reaction in vitamin B(12)-deficient rats. 2009 , 3, 122-7	8
876	Unusual Types of β -Thalassemia. 296-320	1
875	Histone deacetylase inhibitors in multiple myeloma. 2009 , 1, 9	0
874	Biochanin A Modulates Cell Viability, Invasion, and Growth Promoting Signaling Pathways in HER-2-Positive Breast Cancer Cells. 2009 , 2009, 121458	26
873	A phase 2 study of vorinostat in acute myeloid leukemia. 2009 , 94, 1375-82	96
872	Epigenetic regulation of cystatins in cancer. 2009 , 14, 453-62	23
871	Epigenetic cross-talk between DNA methylation and histone modifications in human cancers. 2009 , 50, 455-63	136
870	DNA Methylation Analysis: Providing New Insight into Human Disease. 2009 , 131-142	
869	Discovery of novel hypermethylated genes in prostate cancer using genomic CpG island microarrays. 2009 , 4, e4830	74
868	Genome-wide hypomethylation in head and neck cancer is more pronounced in HPV-negative tumors and is associated with genomic instability. 2009 , 4, e4941	95

867	Transcriptional regulation and biological functions of selenium-binding protein 1 in colorectal cancer in vitro and in nude mouse xenografts. 2009 , 4, e7774	59
866	In Silico Enhanced Restriction Enzyme Based Methylation Analysis of the Human Glioblastoma Genome Using Agilent 244K CpG Island Microarrays. 2009 , 3, 57	2
865	Identification of candidate epigenetic biomarkers for ovarian cancer detection. 2009 , 22,	3
864	Aging and DNA Methylation. 2009 , 3, 1-9	4
863	Clinical studies of histone deacetylase inhibitors. 2009 , 15, 3958-69	306
862	Epigenetic disruption of the WNT/ β -catenin signaling pathway in human cancers. 2009 , 4, 307-312	141
861	Label-free analysis of DNA methylation using optofluidic ring resonators. 2009 , 2009, 2760-2	
860	Differentiation of lung adenocarcinoma, pleural mesothelioma, and nonmalignant pulmonary tissues using DNA methylation profiles. 2009 , 69, 6315-21	62
859	Epigenetic biomarker development. 2009 , 1, 99-110	94
858	MS-qFRET: a quantum dot-based method for analysis of DNA methylation. 2009 , 19, 1455-61	113
857	Epigenetically regulated tumor-associated antigens in melanoma. 2009 , 4, 145-154	1
856	Phase I study of MG98, an oligonucleotide antisense inhibitor of human DNA methyltransferase 1, given as a 7-day infusion in patients with advanced solid tumors. 2009 , 15, 3177-83	92
855	Phase II trial of vorinostat in recurrent glioblastoma multiforme: a north central cancer treatment group study. 2009 , 27, 2052-8	277
854	Nutrigenomics: Nutrient-Gene Interactions. 2009 , 25, 326-345	4
853	Biological information processing as cloud computing. 2009 ,	1
852	Methylation patterns of Rb1 and Casp-8 promoters and their impact on their expression in bladder cancer. 2009 , 27, 70-80	28
851	A tumor-protective role for human kallikrein-related peptidase 6 in breast cancer mediated by inhibition of epithelial-to-mesenchymal transition. 2009 , 69, 3779-87	73
850	BTG3 tumor suppressor gene promoter demethylation, histone modification and cell cycle arrest by genistein in renal cancer. 2009 , 30, 662-70	184

849	The human insulin gene is part of a large open chromatin domain specific for human islets. 2009 , 106, 17419-24	45
848	Targeting miR-205 in breast cancer. 2009 , 13, 1439-48	58
847	DNA methylation as a biomarker in breast cancer. 2009 , 5, 1245-56	48
846	High intakes of choline and betaine reduce breast cancer mortality in a population-based study. 2009 , 23, 4022-8	75
845	A microarray-based DNA methylation study of glioblastoma multiforme. 2009 , 4, 255-64	146
844	DNA Methyltransferase protein synthesis is reduced in CXXC finger protein 1-deficient embryonic stem cells. 2009 , 28, 223-31	12
843	DNA methylation: an introduction to the biology and the disease-associated changes of a promising biomarker. 2009 , 507, 3-20	77
842	MicroRNA-29b induces global DNA hypomethylation and tumor suppressor gene reexpression in acute myeloid leukemia by targeting directly DNMT3A and 3B and indirectly DNMT1. 2009 , 113, 6411-8	655
841	Epigenetic profiles distinguish pleural mesothelioma from normal pleura and predict lung asbestos burden and clinical outcome. 2009 , 69, 227-34	128
840	Copy number variation has little impact on bead-array-based measures of DNA methylation. 2009 , 25, 1999-2005	32
839	The Igf2/H19 imprinting control region exhibits sequence-specific and cell-type-dependent DNA methylation-mediated repression. 2009 , 37, 793-803	235
838	A systematic search for DNA methyltransferase polymorphisms reveals a rare DNMT3L variant associated with subtelomeric hypomethylation. 2009 , 18, 1755-68	49
837	The tyrosine phosphatase PTPRD is a tumor suppressor that is frequently inactivated and mutated in glioblastoma and other human cancers. 2009 , 106, 9435-40	196
836	Methylated DNA immunoprecipitation. 2009 ,	16
835	Epigenetic silencing of the kinase tumor suppressor WNK2 is tumor-type and tumor-grade specific. 2009 , 11, 414-22	43
834	Association between lifestyle factors and CpG island methylation in a cancer-free population. 2009 , 18, 2984-91	52
833	Geminivirus AL2 and L2 proteins suppress transcriptional gene silencing and cause genome-wide reductions in cytosine methylation. 2009 , 83, 5005-13	177
832	Recent Advances in the Detection of Prostate Cancer Using Epigenetic Markers in Commonly Collected Laboratory Samples. 2009 , 40, 171-178	8

831	Quantitative evaluation of DNA methylation by optimization of a differential-high resolution melt analysis protocol. 2009 , 37, e86	40
830	Genomics and Pharmacogenomics in Anticancer Drug Development and Clinical Response. 2009 ,	2
829	Correlation of promoter hypermethylation in hTERT, DAPK and MGMT genes with cervical oncogenesis progression. 2009 , 22, 199-204	34
828	A loss-of-function polymorphism in the propeptide domain of the LOX gene and breast cancer. 2009 , 69, 6685-93	53
827	Antitumor effects of a combined 5-aza-2'-deoxycytidine and valproic acid treatment on rhabdomyosarcoma and medulloblastoma in Ptch mutant mice. 2009 , 69, 887-95	95
826	Insulin-like growth factor-II methylation status in lymphocyte DNA and colon cancer risk in the Northern Sweden Health and Disease cohort. 2009 , 69, 5400-5	29
825	Xenoestrogen-induced epigenetic repression of microRNA-9-3 in breast epithelial cells. 2009 , 69, 5936-45	106
824	Azacytidine inhibits RNA methylation at DNMT2 target sites in human cancer cell lines. 2009 , 69, 8127-32	140
823	Nicht-invasive pränatale Diagnostik fetaler chromosomaler Aneuploidien mittels Nukleinsäureanalyse des mütterlichen Plasmas / Noninvasive prenatal diagnosis of fetal chromosomal aneuploidies by maternal plasma nucleic acid analysis1). 2009 , 33, 159-165	
822	Association between CpG island methylation of the WWOX gene and its expression in breast cancers. 2009 , 30, 8-14	27
821	Promoter hypermethylation mediates downregulation of thiamine receptor SLC19A3 in gastric cancer. 2009 , 30, 242-8	26
820	DNA demethylation protects from cleavable complex stabilization and DNA strand breakage induced by the topoisomerase type I inhibitor camptothecin. 2009 , 24, 237-44	7
819	High-resolution genome-wide cytosine methylation profiling with simultaneous copy number analysis and optimization for limited cell numbers. 2009 , 37, 3829-39	133
818	DNMT1 and DNMT3B modulate distinct polycomb-mediated histone modifications in colon cancer. 2009 , 69, 7412-21	86
817	A novel method to assess the full genome methylation profile using monoclonal antibody combined with the high throughput based microarray approach. 2009 , 4, 415-20	25
816	Impact of cytogenetic abnormalities on the management of skull base chordomas. 2009 , 110, 715-24	28
815	Epigenetics of neurological cancers. 2009 , 5, 1615-29	19
814	Epstein-Barr Virus and Its Oncogenesis. 2009 , 209-267	0

813	Protein acetylation and histone deacetylase expression associated with malignant breast cancer progression. 2009 , 15, 3163-71	91
812	Blocking beta-catenin binding to the ZBP1 promoter represses ZBP1 expression, leading to increased proliferation and migration of metastatic breast-cancer cells. 2009 , 122, 1895-905	43
811	The expression of VEGF receptor genes is concurrently influenced by epigenetic gene silencing of the genes and VEGF activation. 2009 , 4, 313-321	36
810	Development of DNA methyltransferase inhibitors for the treatment of neoplastic diseases. 2009 , 16, 2075-85	66
809	Lack of therapeutic effect of the histone deacetylase inhibitor vorinostat in patients with metastatic radioiodine-refractory thyroid carcinoma. 2009 , 94, 164-70	120
808	Diseases associated with growth hormone-releasing hormone receptor (GHRHR) mutations. 2009 , 88, 57-84	20
807	Clinical significance of epigenetic inactivation of hMLH1 and BRCA1 in Tunisian patients with invasive breast carcinoma. 2009 , 2009, 369129	22
806	Epigenetics of human T cells during the G0-->G1 transition. 2009 , 19, 1325-37	19
805	Alternative transcription initiation and splicing variants of the DHRS4 gene cluster. 2009 , 29, 47-56	9
804	Aging and environmental exposures alter tissue-specific DNA methylation dependent upon CpG island context. 2009 , 5, e1000602	773
803	Genome-wide DNA methylation profiles in both precancerous conditions and clear cell renal cell carcinomas are correlated with malignant potential and patient outcome. 2009 , 30, 214-21	46
802	Kallikrein 10 (KLK10) methylation as a novel prognostic biomarker in early breast cancer. 2009 , 20, 1020-5	35
801	Intestinal metabolism of sulfur amino acids. 2009 , 22, 175-87	79
800	Epigenetic alterations in human prostate cancers. 2009 , 150, 3991-4002	117
799	CpG methylation potentiates pixantrone and doxorubicin-induced DNA damage and is a marker of drug sensitivity. 2009 , 37, 6355-70	28
798	Quantitative analysis of DNA methylation profiles in lung cancer identifies aberrant DNA methylation of specific genes and its association with gender and cancer risk factors. 2009 , 69, 243-52	193
797	CMTM3, located at the critical tumor suppressor locus 16q22.1, is silenced by CpG methylation in carcinomas and inhibits tumor cell growth through inducing apoptosis. 2009 , 69, 5194-201	84
796	Frequent promoter hypermethylation of tumor-related genes in head and neck squamous cell carcinoma. 2009 , 22, 1519-26	101

795	Bone morphogenetic proteins 2 and 5 are down-regulated in adrenocortical carcinoma and modulate adrenal cell proliferation and steroidogenesis. 2009 , 69, 5784-92	39
794	Inactivation of RASSF1A, RARbeta2 and DAP-kinase by promoter methylation correlates with lymph node metastasis in nasopharyngeal carcinoma. 2009 , 8, 444-51	46
793	Epigenetic reversal of acquired resistance to 5-fluorouracil treatment. 2009 , 8, 1045-54	19
792	Inactivation of the MAL gene in breast cancer is a common event that predicts benefit from adjuvant chemotherapy. 2009 , 7, 199-209	34
791	Combinatorial pharmacologic approaches target EZH2-mediated gene repression in breast cancer cells. 2009 , 8, 3191-202	57
790	Genetic and epigenetic SLC18A2 silencing in prostate cancer is an independent adverse predictor of biochemical recurrence after radical prostatectomy. 2009 , 15, 1400-10	23
789	DNMT3B interacts with constitutive centromere protein CENP-C to modulate DNA methylation and the histone code at centromeric regions. 2009 , 18, 3178-93	111
788	Whole Genome DNA Methylation and Gene Expression Profiling of Oropharyngeal Cancer Patients in North-Eastern India: Identification of Epigenetically Altered Gene Expression Reveals Potential Biomarkers. 2020 , 11, 986	2
787	Epigenetic regulation of VENTXP1 suppresses tumor proliferation via miR-205-5p/ANKRD2/NF-kB signaling in head and neck squamous cell carcinoma. 2020 , 11, 838	9
786	The DNA methylation landscape of advanced prostate cancer. 2020 , 52, 778-789	71
785	The Roles of Base Modifications in Kidney Cancer. 2020 , 10, 580018	
784	Epigenetic regulation in the pathogenesis of non-melanoma skin cancer. 2020 ,	8
783	Effect of non-enzymatic glycosylation in the epigenetics of cancer. 2020 ,	5
782	Gastrointestinal adenocarcinoma analysis identifies promoter methylation-based cancer subtypes and signatures. 2020 , 10, 21234	3
781	Genome chaos: Creating new genomic information essential for cancer macroevolution. 2020 ,	21
780	Transition to naïve human pluripotency mirrors pan-cancer DNA hypermethylation. 2020 , 11, 3671	9
779	An integrative ENCODE resource for cancer genomics. 2020 , 11, 3696	28
778	Insulin and Metformin Control Cell Proliferation by Regulating TDG-Mediated DNA Demethylation in Liver and Breast Cancer Cells. 2020 , 18, 282-294	8

777	Modulation of Chronic Inflammation by Quercetin: The Beneficial Effects on Obesity. 2020 , 13, 421-431	31
776	Targeting Epigenetic Modifications in Uveal Melanoma. 2020 , 21,	10
775	DNA methylation maintains the CLDN1-EPHB6-SLUG axis to enhance chemotherapeutic efficacy and inhibit lung cancer progression. 2020 , 10, 8903-8923	5
774	DNA Methyltransferases in Cancer: Biology, Paradox, Aberrations, and Targeted Therapy. 2020 , 12,	46
773	The Oncosuppressors MEN1 and CDC73 Are Involved in lncRNA Deregulation in Human Parathyroid Tumors. 2020 , 35, 2423-2431	9
772	Linking Environmental Exposures to Molecular Pathogenesis in Non-Hodgkin Lymphoma Subtypes. 2020 , 29, 1844-1855	3
771	Is DNA Methylation a Ray of Sunshine in Predicting Meningioma Prognosis?. 2020 , 10, 1323	4
770	Structure of nucleosome-bound DNA methyltransferases DNMT3A and DNMT3B. 2020 , 586, 151-155	26
769	DNA Methylome Distinguishes Head and Neck Cancer from Potentially Malignant Oral Lesions and Healthy Oral Mucosa. 2020 , 21,	4
768	Profiling of immune related genes silenced in EBV-positive gastric carcinoma identified novel restriction factors of human gammaherpesviruses. 2020 , 16, e1008778	7
767	Computational Prediction of Drug Responses in Cancer Cell Lines From Cancer Omics and Detection of Drug Effectiveness Related Methylation Sites. 2020 , 11, 917	4
766	Epigenetic silencing of long non-coding RNA in multiple myeloma: impact on prognosis and myeloma dissemination. 2020 , 20, 403	7
765	Emerging roles of the MAGE protein family in stress response pathways. 2020 , 295, 16121-16155	12
764	Identification of MTHFD2 as a novel prognosis biomarker in esophageal carcinoma patients based on transcriptomic data and methylation profiling. 2020 , 99, e22194	1
763	JNO special issue: an update on pediatric neuro-oncology. 2020 , 150, 1-4	1
762	Cellular retinol binding protein 1 transfection reduces proliferation and AKT-related gene expression in H460 non-small lung cancer cells. 2020 , 47, 6879-6886	1
761	Multifaceted Roles of DNA Methylation in Neoplastic Transformation, from Tumor Suppressors to EMT and Metastasis. 2020 , 11,	23
760	Ionizing Radiation-Induced Epigenetic Modifications and Their Relevance to Radiation Protection. 2020 , 21,	26

759	The transition from primary colorectal cancer to isolated peritoneal malignancy is associated with an increased tumour mutational burden. 2020 , 10, 18900	0
758	Phenotypic Heterogeneity in Tumor Progression, and Its Possible Role in the Onset of Cancer. 2020 , 11, 604528	2
757	Metabolic Regulation of Epigenetic Modifications and Cell Differentiation in Cancer. 2020 , 12,	5
756	Nuclear Expression Loss of SSBP2 Is Associated with Poor Prognostic Factors in Colorectal Adenocarcinoma. 2020 , 10,	1
755	Influence of MIF polymorphisms on CpG island hyper-methylation of CDKN2A in the patients with ulcerative colitis. 2020 , 21, 201	2
754	Hypomethylation Is Associated With Malignant Traits and Cell Proliferation in Lung Adenocarcinoma. 2020 , 40, 5659-5666	1
753	Whole Genome 5'-Methylcytosine Level Quantification in Cirrhotic HCV-Infected Egyptian Patients with and without Hepatocellular Carcinoma. 2020 , 2020, 1769735	
752	PM exposure and DLEC1 promoter methylation in Taiwan Biobank participants. 2020 , 25, 68	1
751	Histone Deacetylase 2 (HDAC2) Inhibitors Containing Boron. 2020 , 21, 2786-2791	5
750	Realgar (EAsS) Treats Myelodysplastic Syndromes through Reducing DNA Hypermethylation. 2020 , 1	
749	Structural basis for impairment of DNA methylation by the DNMT3A R882H mutation. 2020 , 11, 2294	22
748	methCancer-gen: a DNA methylome dataset generator for user-specified cancer type based on conditional variational autoencoder. 2020 , 21, 181	1
747	Promoter methylation changes in ALOX12 and AIRE1: novel epigenetic markers for atherosclerosis. 2020 , 12, 66	5
746	Large DNA Methylation Nadirs Anchor Chromatin Loops Maintaining Hematopoietic Stem Cell Identity. 2020 , 78, 506-521.e6	27
745	Single-molecule quantification of 5-methylcytosine and 5-hydroxymethylcytosine in cancer genome. 2020 , 1, e9	7
744	Lysyl oxidase expression is regulated by the H3K27 demethylase Jmjd3 in tumor-associated M2-like macrophages. 2020 , 66, 110-115	4
743	Effects of fermented rice bran on DEN-induced oxidative stress in mice: GSTP1, LINE-1 methylation, and telomere length ratio. 2020 , 44, e13274	1
742	The Epigenetic Progenitor Origin of Cancer Reassessed: DNA Methylation Brings Balance to the Stem Force.. 2020 , 4,	1

741	NORAD orchestrates endometrial cancer progression by sequestering FUBP1 nuclear localization to promote cell apoptosis. 2020 , 11, 473	12
740	Analysis of DNA methylation and TP53 mutational status for differentiating feline oral squamous cell carcinoma from non-neoplastic mucosa: A preliminary study. 2020 , 18, 825-837	3
739	Epigenetic Modification of CFTR in Head and Neck Cancer. 2020 , 9,	7
738	DNA methylation of noncoding RNAs: new insights into osteogenesis and common bone diseases. 2020 , 11, 109	11
737	Epigenetic aberrations in natural killer/T-cell lymphoma: diagnostic, prognostic and therapeutic implications. 2020 , 12, 1758835919900856	5
736	Clinical significance of promoter methylation status of tumor suppressor genes in circulating DNA of pancreatic cancer patients. 2020 , 146, 897-907	17
735	H3K4me3 Is a Potential Mediator for Antiproliferative Effects of Calcitriol (1,25(OH) ₂ D ₃) in Ovarian Cancer Biology. 2020 , 21,	4
734	Molecular Heterogeneity and Cellular Diversity: Implications for Precision Treatment in Medulloblastoma. 2020 , 12,	3
733	Cancer Stem Cells: Devil or Savior-Looking behind the Scenes of Immunotherapy Failure. 2020 , 9,	13
732	Does DNA Methylation Matter in FSHD?. 2020 , 11,	8
731	ONECUT2 upregulation is associated with CpG hypomethylation at promoter-proximal DNA in gastric cancer and triggers ACSL5. 2020 , 146, 3354-3368	10
730	Epigenetic mechanisms driving lineage commitment in mesenchymal stem cells. 2020 , 134, 115309	5
729	Roles of Histone Deacetylases and Inhibitors in Anticancer Therapy. 2020 , 12,	40
728	Chlorogenic Acid Decreases Malignant Characteristics of Hepatocellular Carcinoma Cells by Inhibiting DNMT1 Expression. 2020 , 11, 867	7
727	Augmenting engineered T-cell strategies in solid cancers through epigenetic priming. 2020 , 69, 2169-2178	3
726	Genome-wide DNA methylation analysis of KRAS mutant cell lines. 2020 , 10, 10149	2
725	DNA methylation for cervical cancer screening: a training set in China. 2020 , 12, 91	4
724	DNA Methylation Profiling of hTERT Gene Alongside with the Telomere Performance in Gastric Adenocarcinoma. 2020 , 51, 788-799	2

723	Genome-wide DNA methylome analysis reveals methylation subtypes with different clinical outcomes for acute myeloid leukemia patients. 2020 , 9, 6296-6305	2
722	The Current Understanding Of Asbestos-Induced Epigenetic Changes Associated With Lung Cancer. 2020 , 11, 1-11	9
721	Identification of Subtypes of Barrett's Esophagus and Esophageal Adenocarcinoma Based on DNA Methylation Profiles and Integration of Transcriptome and Genome Data. 2020 , 158, 1682-1697.e1	23
720	Bnip3 in mitophagy: Novel insights and potential therapeutic target for diseases of secondary mitochondrial dysfunction. 2020 , 506, 72-83	39
719	Design, synthesis and biological evaluation of novel indazole-based derivatives as potent HDAC inhibitors via fragment-based virtual screening. 2020 , 192, 112189	14
718	Harnessing cancer immunotherapy during the unexploited immediate perioperative period. 2020 , 17, 313-326	27
717	5-Azacytidine inhaled dry powder formulation profoundly improves pharmacokinetics and efficacy for lung cancer therapy through genome reprogramming. 2020 , 122, 1194-1204	7
716	Nicotine attenuates global genomic DNA methylation by influencing DNMTs gene expression in human endometrial stromal cells. 2020 , 42, 6	6
715	Human endogenous retroviruses env gene expression and long terminal repeat methylation in colorectal cancer patients. 2020 , 209, 189-199	5
714	LncRNA RP11-19E11 is an E2F1 target required for proliferation and survival of basal breast cancer. 2020 , 6, 1	18
713	Beyond Our Genes. 2020 ,	1
712	Methylome and transcriptome analyses reveal insights into the epigenetic basis for the good survival of hypomethylated ER-positive breast cancer subtype. 2020 , 12, 16	2
711	Putative promoters within gene bodies control exon expression via TET1-mediated H3K36 methylation. 2020 , 235, 6711-6724	3
710	TET methylcytosine oxidases: new insights from a decade of research. 2020 , 45, 1	26
709	Genetic and epigenetic stability of stem cells: Epigenetic modifiers modulate the fate of mesenchymal stem cells. 2020 , 112, 3615-3623	8
708	Loss of Thymine DNA Glycosylase Causes Dysregulation of Bile Acid Homeostasis and Hepatocellular Carcinoma. 2020 , 31, 107475	5
707	Sustained Correction of a Murine Model of Phenylketonuria following a Single Intravenous Administration of AAVHSC15-PAH. 2020 , 17, 568-580	6
706	The Mitochondrial Protein VDAC1 at the Crossroads of Cancer Cell Metabolism: The Epigenetic Link. 2020 , 12,	13

705	Long noncoding RNA LCT55 inhibits non-small cell lung cancer by interacting with INO80. 2020 , 253, 117680	3
704	Epigenetic regulation in human cancer: the potential role of epi-drug in cancer therapy. 2020 , 19, 79	82
703	Differential methylation landscape of pancreatic ductal adenocarcinoma and its precancerous lesions. 2020 , 19, 205-217	6
702	5-Aza-2'-deoxycytidine advances the epithelial-mesenchymal transition of breast cancer cells by demethylating promoter-proximal elements. 2020 , 133,	3
701	Genome-Wide DNA Methylation Enhances Stemness in the Mechanical Selection of Tumor-Repopulating Cells. 2020 , 8, 88	2
700	Identifying the tissues-of-origin of circulating cell-free DNAs is a promising way in noninvasive diagnostics. 2021 , 22,	7
699	MHC class I transactivator NLRC5 in host immunity, cancer and beyond. 2021 , 162, 252-261	6
698	Prenatal Stress Leads to the Altered Maturation of Corticostriatal Synaptic Plasticity and Related Behavioral Impairments Through Epigenetic Modifications of Dopamine D2 Receptor in Mice. 2021 , 58, 317-328	2
697	hypermethylation promotes cell proliferation and metastasis in breast cancer. 2021 , 17, 279-289	3
696	-Mediated Regulation of mA-Modified by mA Reader IGF2BP3 Drives ccRCC Progression. 2021 , 81, 923-934	30
695	lncRNA is involved in premature ovarian insufficiency by regulating p27 translation in GCs via competitive binding to PTBP1. 2021 , 23, 132-141	6
694	Role of histone acetyltransferase inhibitors in cancer therapy. 2021 , 125, 149-191	7
693	Towards multi-omics characterization of tumor heterogeneity: a comprehensive review of statistical and machine learning approaches. 2021 , 22,	4
692	Association between histone deacetylase activity and vitamin D-dependent gene expressions in relation to sulforaphane in human colorectal cancer cells. 2021 , 101, 1833-1843	1
691	Molecular and epigenetic modes of Fumonisin B mediated toxicity and carcinogenesis and detoxification strategies. 2021 , 51, 76-94	1
690	Childhood DNA methylation as a marker of early life rapid weight gain and subsequent overweight. 2021 , 13, 8	5
689	CYP2C9 inhibits the invasion and migration of esophageal squamous cell carcinoma via downregulation of HDAC. 2021 , 476, 2011-2020	1
688	Updated review on green tea polyphenol epigallocatechin-3-gallate as a cancer epigenetic regulator. 2021 ,	3

687	Promoter Methylation Status and Expression Levels of RASSF1A Gene in Different Phases of Acute Lymphoblastic Leukemia (ALL). 2021 , 15, 7-14	1
686	Differential profiles of HDAC1 substrates and associated proteins in breast cancer cells revealed by trapping. 2021 , 17, 544-553	4
685	Combination of molecularly targeted therapies and immune checkpoint inhibitors in the new era of unresectable hepatocellular carcinoma treatment. 2021 , 13, 17588359211018026	2
684	An integrated epigenomic-transcriptomic landscape of lung cancer reveals novel methylation driver genes of diagnostic and therapeutic relevance. 2021 , 11, 5346-5364	4
683	Epigenetics of cutaneous T-cell lymphoma: biomarkers and therapeutic potentials. 2021 , 18, 34-51	3
682	Genome-wide association analysis reveals regulation of at-risk loci by DNA methylation in prostate cancer. 2021 , 23, 472-478	
681	Mechanisms adopted by cancer cells to escape apoptosisA review. 2021 , 45, 863-884	4
680	Curcumin from Turmeric Rhizome: A Potential Modulator of DNA Methylation Machinery in Breast Cancer Inhibition. 2021 , 13,	6
679	Construction of microfluidic bloodBrain barrier model assisted by 3D coculture on cellulose fiber. 2021 , 27, 3917-3926	1
678	DNA methylation inhibitors: Retrospective and perspective view. 2021 , 152, 205-223	2
677	Epigenetic aberrations by EpsteinBarr virus infection to develop gastric cancer. 2021 , 145-156	
676	Identification and validation of the clinical roles of the VHL-related LncRNAs in clear cell renal cell carcinoma. 2021 , 12, 2702-2714	9
675	Epigenetic regulations in gastrointestinal: Implications on sensitivity to ionizing radiation, inflammatory diseases, and cancer development. 2021 , 199-235	
674	Unsupervised subtyping and methylation landscape of pancreatic ductal adenocarcinoma. 2021 , 7, e06000	5
673	Nutrients and phytonutrients as promising epigenetic nutraceuticals. 2021 , 741-816	0
672	A genome-wide study on differential methylation in different cancers using TCGA database. 2021 , 23, 100542	1
671	The progress in the study of reprogramming to acquire the features of stem cells in iPSCs and cancers. 2021 , 87-114	1
670	Interactive association between dietary fat and sex on CDH13 cg02263260 methylation. 2021 , 14, 13	

669	Phase II study of the histone deacetylase inhibitor vorinostat (Suberoylanilide Hydroxamic Acid; SAHA) in recurrent or metastatic transitional cell carcinoma of the urothelium - an NCI-CTEP sponsored: California Cancer Consortium trial, NCI 6879. 2021 , 39, 812-820	4
668	The NANOTUMOR consortium - Towards the Tumor Cell Atlas. 2021 , 113, 272-280	1
667	Sulforaphane Protects Against Ethanol-Induced Apoptosis in Human Neural Crest Cells Through Diminishing Ethanol-Induced Hypermethylation at the Promoters of the Genes Encoding the Inhibitor of Apoptosis Proteins. 2021 , 9, 622152	1
666	Epigenetic identification of mitogen-activated protein kinase 10 as a functional tumor suppressor and clinical significance for hepatocellular carcinoma. 2021 , 9, e10810	1
665	Role of Methylation in Pro- and Anti-Cancer Immunity. 2021 , 13,	12
664	H2A.Z overexpression suppresses senescence and chemosensitivity in pancreatic ductal adenocarcinoma. 2021 , 40, 2065-2080	7
663	Comprehensive analysis of regulation of DNA methyltransferase isoforms in human breast tumors. 2021 , 147, 937-971	10
662	Aberrant Hypermethylation-Mediated Suppression of PYCARD Is Extremely Frequent in Prostate Cancer with Gleason Score ≥ 7 . 2021 , 2021, 8858905	
661	Hepatocyte nuclear factor 1 beta: A perspective in cancer. 2021 , 10, 1791-1804	3
660	The Anticancer Effect of Natural Plant Alkaloid Isoquinolines. 2021 , 22,	17
659	Targeting Epigenetic Regulators for Endometrial Cancer Therapy: Its Molecular Biology and Potential Clinical Applications. 2021 , 22,	2
658	A randomized, double-blind, phase II study of oral histone deacetylase inhibitor resminostat plus S-1 versus placebo plus S-1 in biliary tract cancers previously treated with gemcitabine plus platinum-based chemotherapy. 2021 , 10, 2088-2099	1
657	Chromatin dysregulation associated with NSD1 mutation in head and neck squamous cell carcinoma. 2021 , 34, 108769	9
656	upregulation is associated with chromatin remodeling in gastric cancer and induction of tumorigenicity in a xenograft mouse model. 2021 , 45,	1
655	Epigenetically regulated digital signaling defines epithelial innate immunity at the tissue level. 2021 , 12, 1836	3
654	Landscape of epigenetically regulated lncRNAs and DNA methylation in smokers with lung adenocarcinoma. 2021 , 16, e0247928	0
653	The anti-tumour activity of DNA methylation inhibitor 5-aza-2'-deoxycytidine is enhanced by the common analgesic paracetamol through induction of oxidative stress. 2021 , 501, 172-186	1
652	Targeting Histone Modifications in Bone and Lung Metastatic Cancers. 2021 , 19, 230-246	1

651	Anti-Tumor Drug Discovery Based on Natural Product β -Elemene: Anti-Tumor Mechanisms and Structural Modification. 2021 , 26,	13
650	Integrative pan cancer analysis reveals epigenomic variation in cancer type and cell specific chromatin domains. 2021 , 12, 1419	6
649	The Role of Epigenetic Changes in Ovarian Cancer: A Review. 2021 , 19, 1	3
648	Translational Potential of Epigenetic-Based Markers on Fine-Needle Aspiration Thyroid Specimens. 2021 , 8, 640460	0
647	Effects of Epigenetic Regulation on Cancer.	
646	Multi-omic analysis suggests tumor suppressor genes evolved specific promoter features to optimize cancer resistance. 2021 , 22,	1
645	A proof-of-concept study for the pathogenetic role of enhancer hypomethylation of MYBPHL in multiple myeloma. 2021 , 11, 7009	1
644	Clinical cancer genomic profiling. <i>Nature Reviews Genetics</i> , 2021 , 22, 483-501	30.1 15
643	Identification of ZBTB18 as a novel colorectal tumor suppressor gene through genome-wide promoter hypermethylation analysis. 2021 , 13, 88	1
642	Integrative Analysis of Methylation and Copy Number Variations of Prostate Adenocarcinoma Based on Weighted Gene Co-expression Network Analysis. 2021 , 11, 647253	2
641	A 10-gene-methylation-based signature for prognosis prediction of colorectal cancer. 2021 , 252-253, 80-86	0
640	Bioinformatics analysis for the identification of differentially expressed genes and related signaling pathways in CagA transfected gastric cancer cells. 2021 , 9, e11203	1
639	The Epigenetic landscape of Circulating tumour cells. 2021 , 1875, 188514	4
638	Polymorphisms Located in 3'-UTR are Associated with Severity of Atrophy and Methylation Status in the Gastric Mucosa. 2021 , 25, 255-262	
637	Evolution of Epigenome as the Blueprint for Carcinogenesis.	3
636	DNMT3A-mediated silence in ADAMTS9 expression is restored by RNF180 to inhibit viability and motility in gastric cancer cells. 2021 , 12, 428	4
635	Aberrant Promoter Hypermethylation of and Genes in Colorectal Cancer - Significance in Young Patients. 2021 , 12, 454-459	0
634	Insight Into Chromatin-Enriched RNA: A Key Chromatin Regulator in Tumors. 2021 , 9, 649605	1

633	DNA methylation of PTGER4 in peripheral blood plasma helps to distinguish between lung cancer, benign pulmonary nodules and chronic obstructive pulmonary disease patients. 2021 , 147, 142-150	6
632	Advances in Sickle Cell Disease Treatments. 2021 , 28, 2008-2032	3
631	Focal DNA hypo-methylation in cancer is mediated by transcription factors binding.	1
630	Young-Onset Carcinogenesis - The Potential Impact of Perinatal and Early Life Metabolic Influences on the Epigenome. 2021 , 11, 653289	2
629	DNA methylation status of gene involved in mRNA expression in three cattle breeds. 2021 , 1-7	1
628	Specific Protein 1 and p53 Interplay Modulates the Expression of the KCTD-Containing Cullin3 Adaptor Suppressor of Hedgehog 2. 2021 , 9, 638508	2
627	PAR2 Promoter Hypomethylation Regulates PAR2 Gene Expression and Promotes Lung Adenocarcinoma Cell Progression. 2021 , 2021, 5542485	1
626	Methylation as a critical epigenetic process during tumor progressions among Iranian population: an overview. 2021 , 43, 14	
625	DNA Methylation and HPV-Associated Head and Neck Cancer. 2021 , 9,	6
624	Fused and Substituted Pyrimidine Derivatives as Profound Anti-Cancer Agents. 2021 , 21, 861-893	7
623	Evaluation of circulating β -microglobulin as a prognostic factor for biochemical recurrence after radical prostatectomy. 205141582110106	
622	SOX17 Antagonizes the WNT Signaling Pathway and is Epigenetically Inactivated in Clear-Cell Renal Cell Carcinoma. 2021 , 14, 3383-3394	0
621	Stay on Target: Reengaging Cancer Vaccines in Combination Immunotherapy. 2021 , 9,	3
620	From multi-omics integration towards novel genomic interaction networks to identify key cancer cell line characteristics. 2021 , 11, 10542	
619	Moderate DNA hypomethylation suppresses intestinal tumorigenesis by promoting caspase-3 expression and apoptosis. 2021 , 10, 38	2
618	Portrait of DNA methylated genes predictive of poor prognosis in head and neck cancer and the implication for targeted therapy. 2021 , 11, 10012	2
617	Common DNA methylation dynamics in endometrioid adenocarcinoma and glioblastoma suggest universal epigenomic alterations in tumorigenesis. 2021 , 4, 607	2
616	Latency Reversing Agents: Kick and Kill of HTLV-1?. 2021 , 22,	2

615	TET1 upregulation drives cancer cell growth through aberrant enhancer hydroxymethylation of HMGA2 in hepatocellular carcinoma. 2021 , 112, 2855-2869	4
614	Can Cannabidiol Affect the Efficacy of Chemotherapy and Epigenetic Treatments in Cancer?. 2021 , 11,	4
613	Epigenetics of Sleep Disorders: An Emerging Field in Diagnosis and Therapeutics. 2021 , 11,	1
612	Association of ZNF331 and WIF1 methylation in peripheral blood leukocytes with the risk and prognosis of gastric cancer. 2021 , 21, 551	1
611	Epigenetic dysregulation of immune-related pathways in cancer: bioinformatics tools and visualization. 2021 , 53, 761-771	1
610	Oral Vitamin D supplementation induces transcriptomic changes in rectal mucosa that are consistent with anti-tumour effects.	0
609	Metabolic reprogramming and epigenetic modifications on the path to cancer. 2021 , 1	25
608	Molecular Fingerprints of Malignant Pleural Mesothelioma: Not Just a Matter of Genetic Alterations. 2021 , 10,	2
607	Epigenetic effect of the mycotoxin fumonisin B1 on DNA methylation. 2021 , 36, 295-301	1
606	A systematic review and meta-analysis of the DNA methylation in colorectal cancer among Iranian population. 2021 , 23, 101080	
605	Salivary DNA Methylation as an Epigenetic Biomarker for Head and Neck Cancer. Part I: A Diagnostic Accuracy Meta-Analysis. 2021 , 11,	2
604	Upper Aerodigestive Tract Squamous Cell Carcinomas Show Distinct Overall DNA Methylation Profiles and Different Molecular Mechanisms behind WNT Signaling Disruption. 2021 , 13,	1
603	Panobinostat From Bench to Bedside: Rethinking the Treatment Paradigm for Multiple Myeloma. 2021 , 21, 752-765	1
602	The miR-455-3p/HDAC2 axis plays a pivotal role in the progression and reversal of liver fibrosis and is regulated by epigenetics. 2021 , 35, e21700	2
601	Microbiota and epigenetics: promising therapeutic approaches?. 2021 , 28, 49343-49361	6
600	Reactivation of tumour suppressor in breast cancer by enhancer switching through NamiRNA network. 2021 , 49, 8556-8572	4
599	Behind the Scene: Exploiting MC1R in Skin Cancer Risk and Prevention. 2021 , 12,	2
598	Electrochemical Detection of Global DNA Methylation Using Biologically Assembled Polymer Beads. 2021 , 13,	

597	Identification of the molecular function of tripartite motif containing 58 in human lung cancer. 2021 , 22, 685	0
596	Unraveling the Wide Spectrum of Melanoma Biomarkers. 2021 , 11,	20
595	Multidimensional analysis of the epigenetic alterations in toxicities induced by mycotoxins. 2021 , 153, 112251	4
594	Clonal hematopoiesis and its emerging effects on cellular therapies. 2021 , 35, 2752-2758	3
593	Chromatin and Epigenetic Dysregulation of Prostate Cancer Development, Progression, and Therapeutic Response. 2021 , 13,	3
592	Disparities in Surgical Oncology: Management of Advanced Cancer. 2021 , 28, 8056-8073	1
591	Computational Probing the Methylation Sites Related to EGFR Inhibitor-Responsive Genes. 2021 , 11,	0
590	DNA methylation in oral squamous cell carcinoma: from its role in carcinogenesis to potential inhibitor drugs. 2021 , 164, 103399	4
589	IUSMMT: Survival mediation analysis of gene expression with multiple DNA methylation exposures and its application to cancers of TCGA. 2021 , 17, e1009250	1
588	High DNMT1 Is Associated With Worse Local Control in Early-Stage Laryngeal Squamous Cell Carcinoma. 2021 ,	
587	Transcriptional epigenetic regulation of Fkbp1/Pax9 genes is associated with impaired sensitivity to platinum treatment in ovarian cancer. 2021 , 13, 167	3
586	Combined evaluation of proliferation and apoptosis to calculate IC of VPA-induced PANC-1 cells and assessing its effect on the Wnt signaling pathway. 2021 , 38, 109	0
585	Oral vitamin D supplementation induces transcriptomic changes in rectal mucosa that are linked to anti-tumour effects. 2021 , 19, 174	2
584	Toxic and Teratogenic Effects of Prenatal Alcohol Exposure on Fetal Development, Adolescence, and Adulthood. 2021 , 22,	1
583	The Effects of Exercise Duration and Intensity on Breast Cancer-Related DNA Methylation: A Randomized Controlled Trial. 2021 , 13,	2
582	Characterizing DNA methylation signatures and their potential functional roles in Merkel cell carcinoma. 2021 , 13, 130	1
581	Structural Basis of Inhibition of DCLK1 by Ruxolitinib. 2021 , 22,	0
580	Extreme value theory as a framework for understanding mutation frequency distribution in cancer genomes. 2021 , 16, e0243595	0

579	The DNA methylation landscape of multiple myeloma shows extensive inter- and inpatient heterogeneity that fuels transcriptomic variability. 2021 , 13, 127	1
578	Optimizing DNA hypomethylating therapy in acute myeloid leukemia and myelodysplastic syndromes. 2021 , 43, e2100125	1
577	SPOP mutation induces DNA methylation via stabilizing GLP/G9a. 2021 , 12, 5716	2
576	Recent Updates on Marine Cancer-Preventive Compounds. 2021 , 19,	4
575	Discovery of a first-in-class reversible DNMT1-selective inhibitor with improved tolerability and efficacy in acute myeloid leukemia.	21
574	4-Acyl Pyrrole Capped HDAC Inhibitors: A New Scaffold for Hybrid Inhibitors of BET Proteins and Histone Deacetylases as Antileukemia Drug Leads. 2021 , 64, 14620-14646	1
573	methylation-dependent expression of a variant ligand and receptor of the ghrelin system induces thymoma tumorigenesis. 2021 , 22, 793	1
572	Identification of Mast Cell-Based Molecular Subtypes and a Predictive Signature in Clear Cell Renal Cell Carcinoma. 2021 , 8, 719982	1
571	Methylation-Sensitive Loop-Mediated Isothermal Amplification (LAMP): Nucleic Acid Methylation Detection through LAMP with Mobile Fluorescence Readout. 2021 , 6, 3242-3252	7
570	PARP1 deficiency protects against hyperglycemia-induced neointimal hyperplasia by upregulating TFPI2 activity in diabetic mice. 2021 , 46, 102084	0
569	Antitumoral activity of liraglutide, a new DNMT inhibitor in breast cancer cells in vitro and in vivo. 2021 , 349, 109641	1
568	Promotion effect of microcystin-LR on liver tumor progression in kras transgenic zebrafish following acute or subacute exposure. 2021 , 224, 112673	1
567	Comprehensive analysis reveals common DNA methylation patterns of tobacco-associated cancers: A pan-cancer analysis. 2021 , 804, 145900	1
566	What is epigenetics?. 2022 , 79-100	
565	Klotho gene and protein measurements in humans and their role as a clinical biomarker of disease. 2021 , 265-298	
564	Potential Biomarkers for Early Diagnosis of Cervical Cancer. 2021 , 23-46	0
563	Celiac disease susceptibility: The genome and beyond. 2021 , 358, 1-45	2
562	Epigenetic Regulation in Breast Cancer. 2021 , 1187, 103-119	1

561	Modulatory role of tea in arsenic induced epigenetic alterations in carcinogenesis. 2021 , 64, 143-156	0
560	Therapeutics and DNA methylation inhibitors. 2021 , 585-595	
559	Cancer Prevention by Polyphenols: Influence on Signal Transduction and Gene Expression. 285-323	3
558	Epigenetic Control of Gene Transcription. 57-99	1
557	Epigenetic Histone Changes in the Toxicologic Mode of Action of Arsenic. 339-356	1
556	Natural Phytochemicals as Epigenetic Modulators. 424-439	1
555	DNA Methylation Regulates Genomic Imprinting, X Inactivation, and Gene Expression during Mammalian Development. 2006 , 377-391	1
554	Somatic Alterations and Implications in Breast Cancer. 2009 , 183-213	1
553	The Wnt/ β -catenin Signaling Circuitry in Head and Neck Cancer. 2014 , 199-214	1
552	Nuclear morphometry, epigenetic changes, and clinical relevance in prostate cancer. 2014 , 773, 77-99	18
551	The epigenetic basis of adaptation and responses to environmental change: perspective on human reproduction. 2014 , 753, 97-117	14
550	Epigenetic inhibitors. 2015 , 1238, 469-85	11
549	Detection of epigenetic aberrations in the development of hepatocellular carcinoma. 2015 , 1238, 709-31	14
548	Impact of Nonsynonymous Single-Nucleotide Variations on Post-Translational Modification Sites in Human Proteins. 2017 , 1558, 159-190	2
547	Breast Cancer. 2006 , 728-735	1
546	The Cancer Epigenome. 2008 , 97-113	1
545	The MIRA method for DNA methylation analysis. 2009 , 507, 65-75	60
544	Epigenetic Signature of Embryonal Stem Cells: A DNA Methylation Perspective. 2009 , 247-256	2

543	Solid Tumor Stem Cells Implications for Cancer Therapy. 2009 , 527-543	1
542	Methylated-CpG Island Recovery Assay. 2011 , 791, 125-33	7
541	Epigenetic Alterations: The Relation Between Occupational Exposure and Biological Effects in Humans. 2019 , 265-293	2
540	Gene-Environment Interaction and Cancer. 2020 , 95-115	1
539	Big DNA Methylation Data Analysis and Visualizing in a Common Form of Breast Cancer. 2015 , 375-392	3
538	Telomere Binding Proteins and Disease. 2008 , 229-244	2
537	Qualitative Methylation Status Assessment. 2011 , 181-192	1
536	Epigenetic Regulation of Normal Hematopoietic Development. 2014 , 67-87	1
535	Pancreatic Cancer Genomics. 2013 , 219-253	1
534	Methylation in Colorectal Cancer. 2015 , 373-455	1
533	Reciprocal Interconnection of miRNome-Epigenome in Cancer Pathogenesis and Its Therapeutic Potential. 2015 , 101-135	2
532	Epigenetics in Health and Disease. 2020 , 1253, 3-55	82
531	Cancer of the Lung: Non-Small Cell Lung Cancer and Small Cell Lung Cancer. 2008 , 1307-1366	4
530	Epidemiology of Lung Cancer. 2010 , 1098-1115	1
529	Epigenetics and Cancer. 2008 , 57-65	2
528	MicroRNA epigenetic systems and cancer. 134-153	1
527	Application of histone modification in the risk prediction of the biochemical recurrence after radical prostatectomy. 2010 , 12, 171-9	21
526	Prognostic value of aberrantly expressed methylation genes in human hepatocellular carcinoma. 2020 , 40,	2

525	Epigenetic profiling of MUTYH, KLF6, WNT1 and KLF4 genes in carcinogenesis and tumorigenesis of colorectal cancer. 2019 , 9, 22	9
524	Nuclear cloning of embryonal carcinoma cells. 2004 , 101, 13985-90	88
523	Epigenetic Regulation of Gene Expression in Cancer: Techniques, Resources, and Analysis.	1
522	Targeted intragenic demethylation initiates chromatin rewiring for gene activation.	3
521	Appraising the causal relevance of DNA methylation for risk of lung cancer.	3
520	Systematic Discovery of the Functional Impact of Somatic Genome Alterations in Individual Tumors through Tumor-specific Causal Inference.	3
519	An integrative ENCODE resource for cancer genomics.	2
518	aWCluster: A Novel Integrative Network-based Clustering of Multiomics for Subtype Analysis of Cancer Data. 2020 , PP,	3
517	Identification of a novel differentially methylated region adjacent to in lung cancer cells using methyl-CpG binding domain protein-enriched genome sequencing. 2021 , 64, 533-546	2
516	Secretome profiling identifies neuron-derived neurotrophic factor as a tumor-suppressive factor in lung cancer. 2019 , 4,	3
515	New molecularly targeted therapies for lung cancer. 2007 , 117, 2740-50	154
514	Long non-coding RNAs as the critical factors during tumor progressions among Iranian population: an overview. 2020 , 10, 6	9
513	Combined Treatment with Valproic Acid and 5-Aza-2'-Deoxycytidine Synergistically Inhibits Human Clear Cell Renal Cell Carcinoma Growth and Migration. 2018 , 24, 1034-1043	11
512	Differential methylation analysis of reduced representation bisulfite sequencing experiments using edgeR. 2017 , 6, 2055	37
511	Differential methylation analysis of reduced representation bisulfite sequencing experiments using edgeR. 2017 , 6, 2055	33
510	Epigenetic Aging Signatures Are Coherently Modified in Cancer. 2015 , 11, e1005334	75
509	Convergence of mutation and epigenetic alterations identifies common genes in cancer that predict for poor prognosis. 2008 , 5, e114	113
508	Identification of novel high-frequency DNA methylation changes in breast cancer. 2007 , 2, e1314	83

507	VILIP-1 downregulation in non-small cell lung carcinomas: mechanisms and prediction of survival. 2008 , 3, e1698	23
506	An integrative genomic and epigenomic approach for the study of transcriptional regulation. 2008 , 3, e1882	72
505	HDAC inhibitors act with 5-aza-2'-deoxycytidine to inhibit cell proliferation by suppressing removal of incorporated abases in lung cancer cells. 2008 , 3, e2445	61
504	Promoter DNA methylation of oncostatin m receptor-beta as a novel diagnostic and therapeutic marker in colon cancer. 2009 , 4, e6555	71
503	High-definition DNA methylation profiles from breast and ovarian carcinoma cell lines with differing doxorubicin resistance. 2010 , 5, e11002	21
502	Ornithine decarboxylase antizyme induces hypomethylation of genome DNA and histone H3 lysine 9 dimethylation (H3K9me2) in human oral cancer cell line. 2010 , 5, e12554	23
501	Epigenetic drugs can stimulate metastasis through enhanced expression of the pro-metastatic Ezrin gene. 2010 , 5, e12710	38
500	Genome-wide DNA methylation maps in follicular lymphoma cells determined by methylation-enriched bisulfite sequencing. 2010 , 5, e13020	33
499	Gemcitabine functions epigenetically by inhibiting repair mediated DNA demethylation. 2010 , 5, e14060	39
498	Maternal genome-wide DNA methylation patterns and congenital heart defects. 2011 , 6, e16506	60
497	Transcriptional repressive H3K9 and H3K27 methylations contribute to DNMT1-mediated DNA methylation recovery. 2011 , 6, e16702	22
496	Investigating the potential role of genetic and epigenetic variation of DNA methyltransferase genes in hyperplastic polyposis syndrome. 2011 , 6, e16831	8
495	Azacytidine and decitabine induce gene-specific and non-random DNA demethylation in human cancer cell lines. 2011 , 6, e17388	100
494	Location-specific epigenetic regulation of the metallothionein 3 gene in esophageal adenocarcinomas. 2011 , 6, e22009	29
493	Promoter hypermethylation mediated downregulation of FBP1 in human hepatocellular carcinoma and colon cancer. 2011 , 6, e25564	93
492	Suv4-20h abrogation enhances telomere elongation during reprogramming and confers a higher tumorigenic potential to iPS cells. 2011 , 6, e25680	20
491	The epigenetic modifier PRDM5 functions as a tumor suppressor through modulating WNT/βcatenin signaling and is frequently silenced in multiple tumors. 2011 , 6, e27346	51
490	Expression of DNMT1 and DNMT3a are regulated by GLI1 in human pancreatic cancer. 2011 , 6, e27684	66

489	A systematic analysis on DNA methylation and the expression of both mRNA and microRNA in bladder cancer. 2011 , 6, e28223	30
488	Cigarette smoking and p16INK4a gene promoter hypermethylation in non-small cell lung carcinoma patients: a meta-analysis. 2011 , 6, e28882	22
487	Discovery and validation of molecular biomarkers for colorectal adenomas and cancer with application to blood testing. 2012 , 7, e29059	26
486	The ubiquitin peptidase UCHL1 induces G0/G1 cell cycle arrest and apoptosis through stabilizing p53 and is frequently silenced in breast cancer. 2012 , 7, e29783	96
485	Global methylation patterns in idiopathic pulmonary fibrosis. 2012 , 7, e33770	148
484	Global DNA hypomethylation in peripheral blood leukocytes as a biomarker for cancer risk: a meta-analysis. 2012 , 7, e34615	98
483	Integrative subtype discovery in glioblastoma using iCluster. 2012 , 7, e35236	140
482	Antiproliferative effects of DNA methyltransferase 3B depletion are not associated with DNA demethylation. 2012 , 7, e36125	10
481	Cancer-type regulation of MIG-6 expression by inhibitors of methylation and histone deacetylation. 2012 , 7, e38955	14
480	DNA methylation profiling across the spectrum of HPV-associated anal squamous neoplasia. 2012 , 7, e50533	18
479	Curcumin down-regulates DNA methyltransferase 1 and plays an anti-leukemic role in acute myeloid leukemia. 2013 , 8, e55934	94
478	Characterizing genes with distinct methylation patterns in the context of protein-protein interaction network: application to human brain tissues. 2013 , 8, e65871	5
477	Corruption of the intra-gene DNA methylation architecture is a hallmark of cancer. 2013 , 8, e68285	17
476	Methylation of the claudin 1 promoter is associated with loss of expression in estrogen receptor positive breast cancer. 2013 , 8, e68630	37
475	Association of promoter methylation of VGF and PGP9.5 with ovarian cancer progression. 2013 , 8, e70878	28
474	Diagnostic and prognostic utility of a DNA hypermethylated gene signature in prostate cancer. 2014 , 9, e91666	9
473	Epigenetic silencing of TFPI-2 in canine diffuse large B-cell lymphoma. 2014 , 9, e92707	28
472	5-Azacytidine enhances the radiosensitivity of CNE2 and SUNE1 cells in vitro and in vivo possibly by altering DNA methylation. 2014 , 9, e93273	26

471	Combination of gefitinib and DNA methylation inhibitor decitabine exerts synergistic anti-cancer activity in colon cancer cells. 2014 , 9, e97719	39
470	Long noncoding RNA-EBIC promotes tumor cell invasion by binding to EZH2 and repressing E-cadherin in cervical cancer. 2014 , 9, e100340	83
469	Inhibin alpha-subunit (INHA) expression in adrenocortical cancer is linked to genetic and epigenetic INHA promoter variation. 2014 , 9, e104944	5
468	LINE-1 Methylation Status Correlates Significantly to Post-Therapeutic Recurrence in Stage III Colon Cancer Patients Receiving FOLFOX-4 Adjuvant Chemotherapy. 2014 , 10, e0123973	32
467	Genome-Wide DNA Methylation Patterns of Bovine Blastocysts Developed In Vivo from Embryos Completed Different Stages of Development In Vitro. 2015 , 10, e0140467	58
466	A Systematic Analysis of the Relationship of CDH13 Promoter Methylation and Breast Cancer Risk and Prognosis. 2016 , 11, e0149185	16
465	Identification of Epigenetic Biomarkers of Lung Adenocarcinoma through Multi-Omics Data Analysis. 2016 , 11, e0152918	12
464	Overexpression of Ribosomal RNA in the Development of Human Cervical Cancer Is Associated with rDNA Promoter Hypomethylation. 2016 , 11, e0163340	18
463	Changes in DNA Methylation in Mouse Lungs after a Single Intra-Tracheal Administration of Nanomaterials. 2017 , 12, e0169886	38
462	An integrative study on the impact of highly differentially methylated genes on expression and cancer etiology. 2017 , 12, e0171694	1
461	Epigenetic Biomarkers in Head and Neck Cancer. 2017 , 1, 41-50	3
460	The Emerging Role of Histone Demethylases in Renal Cell Carcinoma. 2017 , 4, 1-5	18
459	Aberrant methylation of the maspin promoter is an early event in human breast cancer. 2004 , 6, 380-9	54
458	PTHrP gene expression in cancer: do all paths lead to Ets?. 2005 , 15, 115-32	20
457	Osteosarcoma Genetics and Epigenetics: Emerging Biology and Candidate Therapies. 2015 , 20, 173-97	101
456	Liquid Biopsies for Assessing Metastatic Melanoma Progression. 2016 , 21, 141-54	13
455	Epigenetic alterations of the Wnt signaling pathway in cancer: a mini review. 2014 , 14, 191-4	34
454	Methylation Assessment of Two and Genes in Oral Squamous Cell Carcinoma Patients. 2020 , 49, 1947-1953	1

453	methylation promotes oncogenesis of endometrial carcinoma through LOC134466/hsa-miR-196a-5p/TAC1 axis. 2018 , 10, 3353-3370	12
452	Integrative analysis of DNA methylation and gene expression reveals distinct hepatocellular carcinoma subtypes with therapeutic implications. 2020 , 12, 4970-4995	6
451	Construction of immune-related and prognostic lncRNA clusters and identification of their immune and genomic alterations characteristics in lung adenocarcinoma samples. 2020 , 12, 9868-9881	7
450	Clusterin exerts a cytoprotective and antioxidant effect in human osteoarthritic cartilage. 2020 , 12, 10129-10146	16
449	Higher expression of cell division cycle-associated protein 5 predicts poorer survival outcomes in hepatocellular carcinoma. 2020 , 12, 14542-14555	1
448	Next generation sequencing of carcinoma of unknown primary reveals novel combinatorial strategies in a heterogeneous mutational landscape. 2017 , 4, 47-56	16
447	Angiogenin contributes to bladder cancer tumorigenesis by DNMT3b-mediated MMP2 activation. 2016 , 7, 43109-43123	17
446	Gene mutations and actionable genetic lesions in mantle cell lymphoma. 2016 , 7, 58638-58648	28
445	Hypoxia inducible factor-1 mediates the expression of the immune checkpoint HLA-G in glioma cells through hypoxia response element located in exon 2. 2016 , 7, 63690-63707	40
444	Isolation and genome-wide expression and methylation characterization of CD31+ cells from normal and malignant human prostate tissue. 2013 , 4, 1472-83	14
443	Metastasis-suppressing NID2, an epigenetically-silenced gene, in the pathogenesis of nasopharyngeal carcinoma and esophageal squamous cell carcinoma. 2016 , 7, 78859-78871	28
442	Large-scale DNA methylation expression analysis across 12 solid cancers reveals hypermethylation in the calcium-signaling pathway. 2017 , 8, 11868-11876	12
441	Repression of Fyn-related kinase in breast cancer cells is associated with promoter site-specific CpG methylation. 2017 , 8, 11442-11459	7
440	The p53 protein plays a central role in the mechanism of action of epigenetic drugs that alter the methylation of cytosine residues in DNA. 2017 , 8, 7228-7230	14
439	Survival differences of CIMP subtypes integrated with CNA information in human breast cancer. 2017 , 8, 48807-48819	1
438	The tumor suppressor interferon regulatory factor 8 inhibits Eatenin signaling in breast cancers, but is frequently silenced by promoter methylation. 2017 , 8, 48875-48888	17
437	KDM4A as a prognostic marker of oral squamous cell carcinoma: Evidence from tissue microarray studies in a multicenter cohort. 2017 , 8, 80348-80357	5
436	An epigenetic signature of adhesion molecules predicts poor prognosis of ovarian cancer patients. 2017 , 8, 53432-53449	18

435	Emerging drugs and combinations to treat multiple myeloma. 2017 , 8, 60656-60672	28
434	DNMT3B overexpression contributes to aberrant DNA methylation and MYC-driven tumor maintenance in T-ALL and Burkitt's lymphoma. 2017 , 8, 76898-76920	28
433	An epigenetic marker panel for recurrence risk prediction of low grade papillary urothelial cell carcinoma (LGPUCC) and its potential use for surveillance after transurethral resection using urine. 2014 , 5, 5218-33	15
432	The relationship between DNA methylation and gene expression in gastric cancer cells. 2017 , 8, 108610-108623	2
431	Transcriptional regulation of the p73 gene by Nrf-2 and promoter CpG methylation in human breast cancer. 2014 , 5, 6909-22	20
430	Integrated analysis of epigenomic and genomic changes by DNA methylation dependent mechanisms provides potential novel biomarkers for prostate cancer. 2014 , 5, 7858-69	16
429	The structural basis for cancer treatment decisions. 2014 , 5, 7285-302	33
428	Methylation of DNA and chromatin as a mechanism of oncogenesis and therapeutic target in neuroblastoma. 2018 , 9, 22184-22193	3
427	A subgroup of pancreatic adenocarcinoma is sensitive to the 5-aza-dC DNA methyltransferase inhibitor. 2015 , 6, 746-54	16
426	Methylation of MGMT and ADAMTS14 in normal colon mucosa: biomarkers of a field defect for cancerization preferentially targeting elder African-Americans. 2015 , 6, 3420-31	21
425	Poor survival is associated with the methylated degree of zinc-finger protein 545 (ZNF545) DNA promoter in gastric cancer. 2015 , 6, 4482-95	15
424	Ndrp2 promoter hypermethylation triggered by helicobacter pylori infection correlates with poor patients survival in human gastric carcinoma. 2015 , 6, 8210-25	19
423	Loss of ATRX, associated with DNA methylation pattern of chromosome end, impacted biological behaviors of astrocytic tumors. 2015 , 6, 18105-15	41
422	RASSF8 regulates progression of cutaneous melanoma through nuclear factor- κ B. 2015 , 6, 30165-77	10
421	Solid tumor differentiation therapy - is it possible?. 2012 , 3, 559-67	73
420	miR-124 and miR-506 inhibit colorectal cancer progression by targeting DNMT3B and DNMT1. 2015 , 6, 38139-50	67
419	Oncogenic Ras suppresses ING4-TDG-Fas axis to promote apoptosis resistance. 2015 , 6, 41997-2007	4
418	Epigenetic downregulation of the ISG15-conjugating enzyme UbcH8 impairs lipolysis and correlates with poor prognosis in nasopharyngeal carcinoma. 2015 , 6, 41077-91	21

417	Epigenetic modification of TLR4 promotes activation of NF- κ B by regulating methyl-CpG-binding domain protein 2 and Sp1 in gastric cancer. 2016 , 7, 4195-209	37
416	DNA-demethylating and anti-tumor activity of synthetic miR-29b mimics in multiple myeloma. 2012 , 3, 1246-58	127
415	The epigenetic modifier CHD5 functions as a novel tumor suppressor for renal cell carcinoma and is predominantly inactivated by promoter CpG methylation. 2016 , 7, 21618-30	17
414	Promoter methylation of RNF180 is associated with H.pylori infection and serves as a marker for gastric cancer and atrophic gastritis. 2016 , 7, 24800-9	12
413	PRSS8 methylation and its significance in esophageal squamous cell carcinoma. 2016 , 7, 28540-55	16
412	MECP2 promotes the growth of gastric cancer cells by suppressing miR-338-mediated antiproliferative effect. 2016 , 7, 34845-59	19
411	Inhibition of EHMT2/G9a epigenetically increases the transcription of Beclin-1 via an increase in ROS and activation of NF- κ B. 2016 , 7, 39796-39808	36
410	Quantitative assessment of the association between APC promoter methylation and breast cancer. 2016 , 7, 37920-37930	8
409	The role of azacitidine in the management of myelodysplastic syndromes (MDS). 2009 , 1, 119-30	4
408	Epigenomics in cancer management. 2010 , 2, 255-65	20
407	Interpreting clinical assays for histone deacetylase inhibitors. 2011 , 3, 117-41	31
406	Aberrant DNA methylation and prostate cancer. 2011 , 12, 486-505	71
405	Anticancer Natural Compounds as Epigenetic Modulators of Gene Expression. 2017 , 18, 175-205	32
404	Impact of p53 arg72pro SNP on Breast Cancer Risk in North Indian Population. 2018 , 19, 395-410	3
403	Deciphering the Novel Target Genes Involved in the Epigenetics of Hepatocellular Carcinoma Using Graph Theory Approach. 2019 , 20, 545-555	3
402	Natural compound-derived epigenetic regulators targeting epigenetic readers, writers and erasers. 2016 , 16, 697-713	21
401	An Overview of Privileged Scaffold: Quinolines and Isoquinolines in Medicinal Chemistry as Anticancer Agents. 2020 , 20, 2599-2633	5
400	p53: An Attractive Therapeutic Target for Cancer. 2020 , 27, 3706-3734	9

399	The Effect of a Newly Synthesized Ferrocene Derivative against MCF-7 Breast Cancer Cells and Spheroid Stem Cells through ROS Production and Inhibition of JAK2/STAT3 Signaling Pathway. 2020 , 20, 875-886	8
398	Study on Certain Biomarkers of Inflammation in Psoriasis Through "OMICS" Platforms. 2014 , 8, 21-34	13
397	Genetic and Epigenetic of Medullary Thyroid Cancer. 2018 , 22, 142-50	3
396	Recent progress on anti-cancer of amide appended heterocyclic and its possible therapeutic applications. A review drug progress for cancer therapeutics.. 2018 , 9,	1
395	LUCAT1 Epigenetically Downregulates the Tumor Suppressor Genes and in Gastric Cancer. 2020 , 61, 923-934	1
394	tRNA-Derived Small RNAs: Novel Epigenetic Regulators. 2020 , 12,	8
393	Isolation and bioinformatics analysis of differentially methylated genomic fragments in human gastric cancer. 2008 , 14, 1333-8	3
392	Detection of RASSF1A promoter hypermethylation in serum from gastric and colorectal adenocarcinoma patients. 2008 , 14, 3074-80	69
391	Colorectal carcinogenesis: road maps to cancer. 2007 , 13, 3784-91	99
390	Re-expression of methylation-induced tumor suppressor gene silencing is associated with the state of histone modification in gastric cancer cell lines. 2007 , 13, 6166-71	28
389	Aberrant methylation of the 3q25 tumor suppressor gene PTX3 in human esophageal squamous cell carcinoma. 2011 , 17, 4225-30	35
388	CpG island methylator phenotype in plasma is associated with hepatocellular carcinoma prognosis. 2011 , 17, 4718-24	26
387	Aberrant methylation and downregulation of sall3 in human hepatocellular carcinoma. 2012 , 18, 2719-26	9
386	Human endogenous retroviruses and cancer: causality and therapeutic possibilities. 2012 , 18, 6027-35	24
385	Cancer detection by ubiquitin carboxyl-terminal esterase L1 methylation in pancreatobiliary fluids. 2013 , 19, 1718-27	14
384	Clinical applications of next-generation sequencing in colorectal cancers. 2013 , 19, 6784-93	26
383	Current trends in the development and application of molecular technologies for cancer epigenetics. 2013 , 19, 1030-9	9
382	Molecular mechanisms of chemopreventive phytochemicals against gastroenterological cancer development. 2013 , 19, 984-93	53

381	Calcium-sensing receptor in colorectal inflammation and cancer: Current insights and future perspectives. 2018 , 24, 4119-4131	20
380	DNA-methylated gene markers for colorectal cancer in TCGA database. 2020 , 19, 3042-3050	5
379	Identification of aberrantly methylated-differentially expressed genes and gene ontology in prostate cancer. 2020 , 21, 744-758	3
378	Differential hypomethylation of the repetitive -rich sequences in the genome of species (Labriformes, Labridae). 2018 , 12, 145-162	2
377	Prediction of Epigenetic Target Sites by Using Genomic DNA Sequence. 2011 , 187-201	1
376	Effects of the demethylating agent, 5-azacytidine, on expression of the kallikrein-kinin genes in carcinoma cells of the lung and pleura. 2011 , 2011, 167046	8
375	Methylation pattern of SFRP1 promoter in stool sample is a potential marker for early detection of colorectal cancer. 2012 , 1, 87	19
374	The effect of CTB on P53 protein acetylation and consequence apoptosis on MCF-7 and MRC-5 cell lines. 2013 , 2, 24	9
373	Epigenetics in oral squamous cell carcinoma. 2017 , 21, 252-259	43
372	DNA Methylation Profiles of MGMT, DAPK1, hMLH1, CDH1, SHP1, and HIC1 in B-Cell Lymphomas. 2009 , 43, 420	2
371	AKAP12alpha is associated with promoter methylation in lung cancer. 2006 , 38, 144-51	11
370	Protein expression trends of DNMT1 in gastrointestinal diseases: From benign to precancerous lesions to cancer. 2019 , 11, 1141-1150	2
369	CpG island methylator phenotype in adenocarcinomas from the digestive tract: Methods, conclusions, and controversies. 2017 , 9, 105-120	8
368	Histone modifications: Targeting head and neck cancer stem cells. 2014 , 6, 511-25	24
367	Global hypomethylation in hepatocellular carcinoma and its relationship to aflatoxin B1 exposure. 2012 , 4, 169	18
366	Global hypomethylation in hepatocellular carcinoma and its relationship to aflatoxin B(1) exposure. 2012 , 4, 169-75	26
365	Blood DNA methylation markers in prospectively identified hepatocellular carcinoma cases and controls from Taiwan. 2016 , 8, 301-6	5
364	Euchromatin histone methyltransferase II (EHMT2) regulates the expression of ras-related GTP binding C (RRAGC) protein. 2020 , 53, 576-581	3

363	Recent progress in the study of methylated tumor suppressor genes in gastric cancer. 2013 , 32, 31-41	28
362	CpG Islands Detector: a Window-based CpG Island Search Tool. 2010 , 8, 58-61	1
361	Characterization of Chromatin Structure-associated Histone Modifications in Breast Cancer Cells. 2012 , 10, 145-52	14
360	Recent progress of genome study for anaplastic thyroid cancer. 2013 , 11, 68-75	22
359	CpG island methylator phenotype in colorectal cancers: comparison of the new and classic CpG island methylator phenotype marker panels. 2008 , 132, 1657-65	54
358	Aberrant CpG island hypermethylation in pediatric gastric mucosa in association with <i>Helicobacter pylori</i> infection. 2011 , 135, 759-65	16
357	Four molecular subtypes of colorectal cancer and their precursor lesions. 2011 , 135, 698-703	65
356	Molecular signatures of pancreatic cancer. 2011 , 135, 716-27	116
355	Specific gene hypomethylation and cancer: new insights into coding region feature trends. 2009 , 3, 340-3	41
354	Genome-wide integrative analysis revealed a correlation between lengths of copy number segments and corresponding gene expression profile. 2011 , 7, 280-4	3
353	Relationships among MTHFR a1298c gene polymorphisms and methylation status of Dact1 gene in transitional cell carcinomas. 2012 , 13, 5069-74	5
352	Histone deacetylase inhibitor trichostatin A enhances anti-tumor effects of docetaxel or erlotinib in A549 cell line. 2012 , 13, 3471-6	26
351	Epigenetic regulation of mammalian Hedgehog signaling to the stroma determines the molecular subtype of bladder cancer. 2019 , 8,	14
350	Targeting microRNAs with thymoquinone: a new approach for cancer therapy. 2021 , 26, 43	5
349	Critical appraisal of epigenetic regulation of galectins in cancer. 2021 , 1	0
348	Diagnosis of pulmonary nodules by DNA methylation analysis in bronchoalveolar lavage fluids. 2021 , 13, 185	4
347	What are the roles of global DNA and APC 2 gene promotor hypermethylation in multiple myeloma?. 2021 , 48, 7875-7882	
346	Molecular determinants of therapy response of venetoclax-based combinations in acute myeloid leukemia. 2021 , 402, 1547-1564	1

- 345 MicroRNAs and Metabolism: Revisiting the Warburg Effect with Emphasis on Epigenetic Background and Clinical Applications. **2021**, 11, 1
- 344 Epigenetic Modifiers as Novel Therapeutic Targets and a Systematic Review of Clinical Studies Investigating Epigenetic Inhibitors in Head and Neck Cancer. **2021**, 13, 3
- 343 Translational challenges in pancreatic neuroendocrine tumor immunotherapy. **2021**, 1876, 188640 0
- 342 Trilogies of Histone Lysine Methylation as Epigenetic Landmarks of the Eukaryotic Genome. **2004**, 69, 1-10
- 341 Genetische Grundlagen der Kanzerogenese. **2004**, 75-145 1
- 340 Hereditary Gynecologic Cancer Syndromes. **2004**, 833-845
- 339 . **2004**,
- 338 Role of DNA Methylation in Cancer and Chemotherapy. **2004**,
- 337 Molecular and Cell Biology. **2005**, 8-12
- 336 Mechanisms of Gastrointestinal Malignancies. **2006**, 477-498
- 335 Transcriptional and Epigenetic Regulation. **2006**, 1-30
- 334 ?????????????????DNA???????. **2007**, 119, 113-117
- 333 Differentiation Therapy in AML. **2007**, 293-312
- 332 Modulating Gene Expression as a Therapeutic Approach in the Treatment of AML. **2007**, 275-291
- 331 Oxidative DNA damage. **2007**, 23, 202-214
- 330 Capillary Electrophoresis of DNA. **2008**, 65-87
- 329 BIOLOGY AND EPIDEMIOLOGY OF LUNG CANCER. **2008**, 708-728 0
- 328 Histone Deacetylase Inhibitors and Anticancer Activity. **2008**, 115-131

327 Correlation between MBD2 Expressions in Colorectal Cancer Tissue and Blood. **2008**, 24, 447

326 MOLECULAR BIOLOGY OF COLORECTAL CANCER. **2008**, 867-896

325 Future Directions in Epigenetic Cancer Research. **2008**, 429-436

324 The Combination Effect of Sodium Butyrate, 5-aza-2'-deoxycytidine on the Tumor Suppressive Activity in RKO Colorectal Cancer and MCF-7 Breast Cancer Cell Lines. **2009**, 76, 279

323 Molecular Biology of Ovarian Cancer. **2009**, 913-920

322 Epigenetics: DNA Hypermethylation in Cancer. **2009**, 84-90

1

321 5-Aza-2'-deoxycytidine Inhibits the Maintenance of Cancer Stem Cell in a Mouse Model of Breast Cancer. **2009**, 19, 1164-1169

320 Cancer Stem Cells: An Overview. **2010**, 173-181

319 Biology of NonSmall Cell Lung Cancer. **2010**, 1080-1097

1

318 A Study of Epigenetic Alteration of the Bone Morphogenetic Protein-2 Gene in Human Colorectal Cancer. **2010**, 26, 53

317 Folate and DNA Methylation. **2010**, 31-75

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

315 Salvage Therapy for Acute Myeloid Leukemia: Current Strategies and Emerging Therapies. 138-147

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

1

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

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

311 Principles of Molecular Biology. **2012**, 1209-1223

0

310 Predicting High-Risk Disease Using Serum and DNA Biomarkers. **2012**, 35-54

- 309 Epigenomics: Pioneering a New Frontier in Cancer Research. **2012**, 3, 1
- 308 Molecular Genetics and Cancer Biology. **2012**, 530-567.e16
- 307 Prostate Cancer Tumor Markers. **2012**, 2748-2762.e6 3
- 306 Encyclopedia of Systems Biology. **2013**, 341-343
- 305 Analytical Considerations for Epigenome-Wide Association Scans of Complex Traits. **2013**, 319-338
- 304 Pharmacogenomics. **2013**, 63-75
- 303 Crossroads of Signaling Pathways. **2013**, 143-157
- 302 Aberrant Epigenetic Regulation: A Central Contributor to Lung Carcinogenesis and a New Therapeutic Target. **2013**, e295-e300
- 301 In Silico Analysis of the CST6 Tumor Suppressor Gene. **2013**, 2, 42-58 0
- 300 The Fundamental Role of Epigenetic Regulation in Normal and Disturbed Cell Growth, Differentiation, and Stemness. **2014**, 1-41
- 299 Aberrant DNA Methylation. **2014**,
- 298 Dysplastic Nevi Versus Melanoma. **2015**, 73-92
- 297 Drugs Affecting Epigenetic Modifications of ABC Transporters for Drug Resistance. **2015**, 273-297
- 296 The Generation, Detection, and Prevention of Genomic Instability During Cancer Progression and Metastasis. **2015**, 15-38
- 295 Epigenetics and Three Main Clinical Aspects of Breast Cancer Management. **2015**, 281-309 1
- 294 Epigenetic of Retinoic Acid Receptor α Gene in Breast Cancer. **2015**, 311-362
- 293 Aberrant DNA Methylation of CDH1, p16 and DAPK in Childhood Acute Lymphoblastic Leukemia. **2015**, 22, 60-66
- 292 Epigenetics and It's Detailed Mechanisms in Life Phenomena: A Review. **2016**, 12, 118-126

291 Gastrointestinal Malignancy: Genetic Implications to Clinical Applications. **2016**, 168, 393-479

290 SNP analysis implicates role of cytosine methylation in introducing consequential mutations in *Vibrio cholerae* genomes.

289 Studying Genomic and Epigenetic Aberrations by Microarray Profiling. 1-7

288 Methylation of p16 gene during gastric carcinogenesis in association with helicobacter pylori infection. **2017**, 8,

287 Proteolytic Networks at the Crossroads of Cancer Cell Life and Death: Cancer Stem Cell Deciding Cell Fate. **2017**, 237-263

286 The Role of Epigenetics. **2017**, 75-107

285 Sulfur Mustard. **2017**, 2683-2712

o

284 Gaps in Knowledge and Missing Evidence in the Role of DNA Methylation in Biological Embedding. **2017**, 1-16

283 CpG methylation accounts for genome-wide C>T mutation variation and cancer driver formation across cancer types.

282 Deconvolution of DNA methylation signatures identifies common differentially methylated gene regions on 1p36 across breast cancer subtypes.

281 Biophysical Mechanism of the SAHA Inhibition of Zn²⁺-Histone Deacetylase-Like Protein (FB188 HDAH) Assessed via Crystal Structure Analysis. **2018**, 08, 91-114

280 mCSEA: Detecting subtle differentially methylated regions.

1

279 Proteogenomic view of cancer epigenetics: the impact of DNA methylation on the cancer proteome.

278 The impact of selective DNA methyltransferase inhibitors on breast cancer: A systematic review protocol (Preprint).

277 Dental Stem Cells in Regenerative Medicine: Emerging Trends and Prospects in the Era of Bioinformatics. **2019**, 119-150

276 CpG Islands Methylation Alterations in Cancer: Functionally Intriguing Security Locks, Useful Early Tumor Biomarkers. **2019**, 53-62

275 Physical Impairments Associated with Diseases: A Pathophysiological Approach. **2019**, 597-617

274 Molecular Diagnostics and Genomic Profiling in Individualized Therapies of Gastrointestinal Cancers. **2019**, 613-631

- 273 iPS Cell Technology for Dissecting Cancer Epigenetics. **2019**, 29-43
- 272 Inflammatory Bowel Disease and Epigenetics. **2019**, 183-201 ○
- 271 Genomic Applications and Insights in Unravelling Cancer Signalling Pathways. **2019**, 471-511
- 270 Research and Application of Molecular Pathology in Diagnostics. **2019**, 07, 8-15
- 269 Glycan Function in Development and its Regulation. **2019**, 191-207
- 268 A Novel Integrative Multiomics Method Reveals a Hypoxia-Related Subgroup of Breast Cancer with Significantly Decreased Survival. ○
- 267 DNA Methylation Pattern of Early Genes of Epstein Barr Virus Associated With Gastric Carcinoma in Group of Iraqi Patients. **2019**, 13, 441-446
- 266 Detection and Analysis of RNAs Expression Profile for Methylated Candidate Tumor Suppressor Genes in Nasopharyngeal Carcinoma. **2019**, 19, 772-782 ○
- 265 High Resolution Based Quantitative Determination of Methylation Status of CDH1 and VIM Gene in Epithelial Ovarian Cancer. **2019**, 20, 2923-2928 1
- 264 The regulatory role of aberrant methylation of microRNA-34a promoter CpGs in osteosarcoma.. **2019**, 8, 2328-2338 ○
- 263 Molekulare Grundlagen der Karzinogenese und molekularbiologische Untersuchungsmethoden. **2020**, 1-20
- 262 The methylation pattern of DNA and complex correlations with gene expressions during TuMV infection in Chinese cabbage. 63, 671-680
- 261 Semaphorin 5A suppresses the proliferation and migration of lung adenocarcinoma cells. **2020**, 56, 165-177 1
- 260 Paradigms in Cancer Drug Development: A Universe with Many Galaxies. **2020**, 17-44
- 259 Requirement of DNMT1 to orchestrate epigenomic reprogramming during NPM-ALK driven T cell lymphomagenesis.
- 258 Epigenome dysregulation resulting from NSD1 mutation in head and neck squamous cell carcinoma. ○
- 257 Development of a novel prognostic signature for predicting the overall survival of bladder cancer patients. **2020**, 40, ○
- 256 NAD modulates DNA methylation and cell differentiation.

- 255 Epigenetic Dysregulation of 5-hydroxymethylcytosine in Well-Differentiated Pancreatic Neuroendocrine Tumors. **2021**,
- 254 Association of RASSF1A, DCR2, and CASP8 Methylation with Survival in Neuroblastoma: A Pooled Analysis Using Reconstructed Individual Patient Data. **2020**, 2020, 7390473 2
- 253 Requirement of DNMT1 to orchestrate epigenomic reprogramming for NPM-ALK-driven lymphomagenesis. **2021**, 4, 0
- 252 and Are Hypermethylated in Cervical Adenocarcinoma and Associated with Better Prognosis. **2020**, 2020, 3981529 1
- 251 Identification of ZG16B as a prognostic biomarker in breast cancer. **2021**, 16, 1-13 11
- 250 Unveiling potential anticancer drugs through in silico drug repurposing approaches. **2020**, 81-119 2
- 249 The Relationship of Pre and Early Postnatal Risk Factors with Breast Cancer. **2020**, 21, 75-79
- 248 The Role of DNA Methylation in Cancer. **2020**, 491-511
- 247 Associations between Placental Insulin-Like Growth Factor-1 Gene Expression, DNA Methylation and Intrauterine Growth Restriction. **2020**, 12, 270-280
- 246 The transition from primary colorectal cancer to isolated peritoneal malignancy is associated with a hypermutant, hypermethylated state.
- 245 The common analgesic paracetamol enhances the anti-tumour activity of decitabine through exacerbation of oxidative stress.
- 244 Context Matters-Why We Need to Change From a One Size Fits all Approach to Made-to-Measure Therapies for Individual Patients With Pancreatic Cancer. **2021**, 9, 760705 1
- 243 Prognostic Relevance of BRCA1 Expression in Survival of Patients With Cervical Cancer. **2021**, 11, 770103 0
- 242 NAD Modulates DNA Methylation and Cell Differentiation. **2021**, 10, 1
- 241 Prediction of Epigenetic Target Sites by Using Genomic DNA Sequence. 498-512
- 240 Selfish Evolution. **2008**, 27-43
- 239 RB/E2F Regulation and Dual Activity in the Melanocytic System. **2006**, 223-245
- 238 The Biology and Genetics of Melanoma. **2006**, 265-290

237 Differentiation Agents and Epigenomic Therapies. **2007**, 411-443

236 Medulloblastoma, Primitive Neuroectodermal Tumors, and Pineal Tumors. **2008**, 343-430

1

235 Downregulation of 5-hydroxymethylcytosine is associated with the progression of cervical intraepithelial neoplasia. **2020**, 15, e0241482

1

234 Association of folate intake and plasma folate level with the risk of breast cancer: a dose-response meta-analysis of observational studies. **2020**, 12, 21355-21375

1

233 Current Translational Insights into MGMT Methylation Regulating Temozolomide Sensitivity and Resistance in Glioblastoma Multiforme. **2020**, 17, 76-93

232 Evaluation of Methylation Profiles of An Epidermal Growth Factor Receptor Gene in a Head and Neck Squamous Cell Carcinoma Patient Group. **2020**, 23, 65-72

231 STATISTICAL INFERENCE OF TRANSMISSION FIDELITY OF DNA METHYLATION PATTERNS OVER SOMATIC CELL DIVISIONS IN MAMMALS. **2010**, 4, 871-892

10

230 Reversibility of aberrant global DNA and estrogen receptor-alpha gene methylation distinguishes colorectal precancer from cancer. **2009**, 2, 21-33

19

229 DNA methylation in circulating tumour DNA as a biomarker for cancer. **2008**, 2, 307-19

40

228 Identification of candidate epigenetic biomarkers for ovarian cancer detection. **2009**, 22, 853-61

23

227 Gene expression patterns in myelodysplasia underline the role of apoptosis and differentiation in disease initiation and progression. **2008**, 3, 137-49

12

226 DNA methylation-dependent regulation of BORIS/CTCF expression in ovarian cancer. **2007**, 7, 21

75

225 Aberrant gene promoter methylation in sputum from individuals exposed to smoky coal emissions. **2008**, 28, 2061-6

20

224 Genetic and epigenetic alterations during renal carcinogenesis. **2010**, 4, 58-73

45

223 A translational approach to lung cancer research: From EGFRs to Wnt and cancer stem cells. **2009**, 15, 213-20

8

222 IGF-II promoter specific methylation and expression in epithelial ovarian cancer and their associations with disease characteristics. **2011**, 25, 203-13

13

221 Systems approaches to molecular cancer diagnostics. **2010**, 10, 531-42

5

220 Frequency of the Methylenetetrahydrofolate REDUCTASE 677CT and 1298AC mutations in an Iranian Turkish female population. **2010**, 5, 171-7

3

219	Klotho is silenced through promoter hypermethylation in gastric cancer. 2011 , 1, 111-119	39
218	Prognostic significance of aberrant gene methylation in gastric cancer. 2012 , 2, 116-29	27
217	Cancer-testis antigens: the current status on antigen regulation and potential clinical use. 2012 , 2, 29-35	23
216	Deamination of 5-methylcytosine residues in Mammalian cells. 2009 , 1, 121-4	1
215	Histone modifications and cancer: biomarkers of prognosis?. 2012 , 2, 589-97	67
214	Combination of Salermide and Cholera Toxin B Induce Apoptosis in MCF-7 but Not in MRC-5 Cell Lines. 2013 , 4, 1402-13	2
213	Green tea polyphenol epigallocatechin 3-gallate, contributes to the degradation of DNMT3A and HDAC3 in HCT 116 human colon cancer cells. 2013 , 33, 5325-33	62
212	The Study of DNA Methyltransferase-3B Promoter Variant Genotype among Iranian Sporadic Breast Cancer Patients. 2014 , 39, 268-74	6
211	Epigenetic changes associated with neoplasms of the exocrine and endocrine pancreas. 2014 , 17, 67-73	25
210	Histone-modifying genes as biomarkers in hepatocellular carcinoma. 2014 , 7, 2496-507	30
209	Association between RUNX3 promoter methylation and non-small cell lung cancer: a meta-analysis. 2014 , 6, 694-705	6
208	Epigenetic silencing of dual oxidase 1 by promoter hypermethylation in human hepatocellular carcinoma. 2014 , 4, 508-17	22
207	Silencing of hypoxia-inducible tumor suppressor lysyl oxidase gene by promoter methylation activates carbonic anhydrase IX in nasopharyngeal carcinoma. 2014 , 4, 789-800	11
206	Methylation of ras association domain protein 10 (RASSF10) promoter negative association with the survival of gastric cancer. 2014 , 4, 916-23	6
205	FOXA1 positively regulates gene expression by changing gene methylation status in human breast cancer MCF-7 cells. 2015 , 8, 96-106	9
204	Down-regulated FSTL5 promotes cell proliferation and survival by affecting Wnt/βcatenin signaling in hepatocellular carcinoma. 2015 , 8, 3386-94	11
203	Approaches to identifying synthetic lethal interactions in cancer. 2015 , 88, 145-55	28
202	Epigenetics in diagnosis, prognostic assessment and treatment of cancer: an update. 2014 , 13, 954-76	5

201	Down-regulation of PAX6 by promoter methylation is associated with poor prognosis in non small cell lung cancer. 2015 , 8, 11452-7	22
200	The Role of HDACs as Leukemia Therapy Targets using HDI. 2015 , 9, 203-14	6
199	Therapeutic intervention of silymarin on the migration of non-small cell lung cancer cells is associated with the axis of multiple molecular targets including class 1 HDACs, ZEB1 expression, and restoration of miR-203 and E-cadherin expression. 2016 , 6, 1287-301	12
198	Aberrant Methylation-Mediated Suppression of APAF1 in Myelodysplastic Syndrome. 2017 , 11, 114-120	0
197	Aberrant Methylation of APAF-1 Gene in Acute Myeloid Leukemia Patients. 2017 , 11, 225-230	2
196	[Advances of DNA methylation in early diagnosis of lung cancer]. 2012 , 15, 234-41	0
195	[Advances of DNA methylation in lung cancer]. 2010 , 13, 1074-8	0
194	Hypermethylated and its clinical significance in colorectal cancer. 2018 , 10, 4290-4301	3
193	From genome to phenome: Predicting multiple cancer phenotypes based on somatic genomic alterations via the genomic impact transformer. 2020 , 25, 79-90	5
192	TET methylcytosine oxidases: new insights from a decade of research. 2020 , 45,	16
191	Transcriptional E2F1/2/3/6 as potential prognostic biomarkers in cutaneous melanoma. 2021 , 13, 420-433	1
190	Epigenetic Instability Caused by Oxidative Stress Triggers Tumorigenesis. 2021 , 1-18	
189	Epigenetics and precision medicine in lung cancer. 2022 , 109-145	
188	Genetic and Epigenetic Targeting Therapy for Pediatric Acute Lymphoblastic Leukemia.. 2021 , 10,	1
187	approach to understand epigenetics of POTEE in ovarian cancer. 2021 ,	2
186	Bilirubin and Epigenetic Modifications in Metabolic and Immunometabolic Disorders. 2021 ,	1
185	Bisulfite Treatment of CG-Rich Track of Trinucleotide Repeat Expansion Disorder: Make the Sequence Less CG Rich.. 2021 , 10, 46	
184	Development of a single quantum dot-mediated FRET biosensor for amplification-free detection of ten-eleven translocation 2.. 2021 , 239, 123135	0

183 Epigenetics. **2021**, 157-182

182 Regulation of Opsin Gene Expression by DNA Methylation and Histone Acetylation.. **2022**, 23, 2

181 Balancing Histone Deacetylase (HDAC) Inhibition and Drug-likeness: Biological and Physicochemical Evaluation of Class I Selective HDAC Inhibitors.. **2022**, 0

180 Age-specific oncogenic pathways in head and neck squamous cell carcinoma - are elderly a different subcategory?. **2022**, 1 0

179 Modified cytosines cytosine in a DNA polymerase: retrieving thermodynamic and kinetic constants at the single molecule level.. **2021**,

178 Epigenetic alterations induced by genotoxic occupational and environmental human chemical carcinogens: An update of a systematic literature review. **2022**, 789, 108408 2

177 A New Trend in Cancer Treatment: The Combination of Epigenetics and Immunotherapy.. **2022**, 13, 809761 5

176 Regulating Histone Deacetylase Signaling Pathways of Myeloid-Derived Suppressor Cells Enhanced T Cell-Based Immunotherapy.. **2022**, 13, 781660 2

175 Epigenetic Instability Caused by Oxidative Stress Triggers Tumorigenesis. **2022**, 1639-1655

174 New insights into epigenetics as an influencer: An associative study between maternal prenatal factors in Autism Spectrum Disorder (ASD). **2022**, 0

173 Bioinformatics analysis methods for cell-free DNA.. **2022**, 143, 105283 0

172 Mangifera indica and Mangifera zeylanica: Perspectives on medicinal properties, therapeutic applications and potential uses as anticancer epigenetic drugs (Review). **2022**, 2, 1

171 Drugging the Epigenome: Overcoming Resistance to Targeted and Immunotherapies in Melanoma.. **2022**, 2, 100090 1

170 Discovery of a first-in-class reversible DNMT1-selective inhibitor with improved tolerability and efficacy in acute myeloid leukemia. **2021**, 2, 1002-1017 3

169 Single polymeric microfiber waveguide platform for sensitive detection and discrimination of DNA methylation.. **2022**,

168 Environmental Alterations and Oncological Diseases: The Contribution of Network Medicine. **2022**, 165-173

167 System biology. **2022**, 3-25

166 The Dynamic Regulation of G-Quadruplex DNA Structures by Cytosine Methylation.. **2022**, 23, 0

165	Cysteine dioxygenase type 1 (CDO1): Its functional role in physiological and pathophysiological processes. 2022 ,	2
164	DNA Methylation in Lung Cancer: Mechanisms and Associations with Histological Subtypes, Molecular Alterations, and Major Epidemiological Factors.. 2022 , 14,	4
163	A Pancancer Analysis of the Oncogenic Role of S100 Calcium Binding Protein A7 (S100A7) in Human Tumors.. 2022 , 11,	
162	Alternative Splicing in Cancer and Immune Cells.. 2022 , 14,	1
161	Screening of key methylation-driven genes CDO1 in breast cancer based on WGCNA.. 2022 ,	
160	Pan-cancer predictions of transcription factors mediating aberrant DNA methylation.. 2022 , 15, 10	1
159	Integrative DNA methylation analysis of pediatric brain tumors reveals tumor type-specific developmental trajectories and epigenetic signatures of malignancy.	
158	Integrative Analysis of DNA Methylation and Gene Expression Identified Follicular Thyroid Cancer-Specific Diagnostic Biomarkers.. 2021 , 12, 736068	2
157	The Role of Ten-Eleven Translocation Proteins in Inflammation.. 2022 , 13, 861351	0
156	DNA Methylation-Mediated Lowly Expressed AOX1 Promotes Cell Migration and Invasion of Prostate Cancer.. 2022 , 1-9	
155	Selective Photo-Crosslinking Detection of Methylated Cytosine in DNA Duplex Aided by a Cationic Comb-Type Copolymer.. 2022 ,	1
154	Refining AML Treatment: The Role of Genetics in Response and Resistance Evaluation to New Agents.. 2022 , 14,	0
153	Loss of deubiquitylase USP2 triggers development of glioblastoma via TGF- β signaling.. 2022 ,	1
152	DNA Methylation Malleability and Dysregulation in Cancer Progression: Understanding the Role of PARP1.. 2022 , 12,	1
151	The role of microRNAs in COVID-19 with a focus on miR-200c.. 2022 , 11, 14-23	0
150	MiR-129-2-3p Inhibits Esophageal Carcinoma Cell Proliferation, Migration and Invasion via Targeting DNMT3B.. 2022 ,	0
149	Organotin(IV) complexes with epigenetic modulator ligands: New promising candidates in cancer therapy. 2022 , 536, 120901	0
148	Stability and context of intercalated motifs (i-motifs) for biological applications.. 2022 ,	0

- 147 Methylation and mutation of the inhibin- β gene in human melanoma cells and regulation of PTEN expression and AKT/PI3K signaling by a demethylating agent.. **2022**, 47,
- 146 Epigenetic Silencing of 15-Hydroxyprostaglandin Dehydrogenase by Histone Methyltransferase EHMT2/G9a in Cholangiocarcinoma. **2021**, 2
- 145 Methylation Markers in Cutaneous Melanoma: Unravelling the Potential Utility of Their Tracking by Liquid Biopsy.. **2021**, 13, 1
- 144 Genome-scale DNA methylation analysis identifies repeat element alterations that modulate the genomic stability of melanocytic nevi. **2021**, 0
- 143 Clinicopathological significance of DAPK gene promoter hypermethylation in non-small cell lung cancer: A meta-analysis.. **2021**, 17246008211067552
- 142 Genome-wide host methylation profiling of anal and cervical carcinoma. **2021**, 16, e0260857 1
- 141 Considerations in the Design, Conduct, and Interpretation of Studies in Epigenetic Epidemiology. **2022**, 27-44
- 140 H3K4 demethylase KDM5B regulates cancer cell identity and epigenetic plasticity.. **2022**, 0
- 139 General and special techniques in surgical pathology and cytopathology. 18-84
- 138 Epigenomic code. 113-133
- 137 Data_Sheet_1.PDF. **2019**,
- 136 DataSheet_1.pdf. **2019**,
- 135 Data_Sheet_1.docx. **2020**,
- 134 Data_Sheet_1.docx. **2020**,
- 133 Table_1.xls. **2020**,
- 132 Table_2.xls. **2020**,
- 131 Table_3.xls. **2020**,
- 130 Table_4.xls. **2020**,

129 Table_5.xls. **2020**,

128 Table_6.xlsx. **2020**,

127 Image_1.tif. **2019**,

126 Image_2.tif. **2019**,

125 Image_3.tif. **2019**,

124 Image_4.tif. **2019**,

123 Table_1.xlsx. **2019**,

122 Presentation_1.pdf. **2020**,

121 Table_1.xlsx. **2020**,

120 Image_1.TIF. **2018**,

119 Table_1.XLSX. **2018**,

118 Table_2.PDF. **2018**,

117 Image_1.TIF. **2018**,

116 Image_2.TIF. **2018**,

115 Table_1.DOC. **2018**,

114 Characterization of SN38-resistant T47D breast cancer cell sublines overexpressing BCRP, MRP1, MRP2, MRP3, and MRP4.. **2022**, 22, 446

1

113 BCurve: Bayesian Curve Credible Bands Approach for the Detection of Differentially Methylated Regions.. **2022**, 2432, 167-185

112 Monitoring Various Bioactivities at the Molecular, Cellular, Tissue, and Organism Levels via Biological Lasers.. **2022**, 22,

111	Oncogenomic Changes in Pancreatic Cancer and Their Detection in Stool. 2022 , 12, 652	2
110	Pathogenesis of neural tube defects: The regulation and disruption of cellular processes underlying neural tube closure.. 2022 , e1559	0
109	Histone Modification on Parathyroid Tumors: A Review of Epigenetics. 2022 , 23, 5378	1
108	Epigenetic lockdown of CDKN1A (p21) and CDKN2A (p16) characterises the neoplastic spindle cell component of giant cell tumours of bone.. 2022 ,	0
107	Transcriptional Control Leading to Clinical Outcomes in Breast Cancer Cases. 2022 , 281-336	
106	Role of the DNA Methyltransferase Variant DNMT3b3 in DNA Methylation. 2004 , 2, 62-72	108
105	Altered Heterochromatin Organization after Perinatal Exposure to Zidovudine. 2007 , 12, 179-188	9
104	DNA Conformational Changes Induced by Its Interaction with Binuclear Platinum Complexes in Solution Indicate the Molecular Mechanism of Platinum Binding. 2022 , 14, 2044	0
103	Promoter Methylation Changes in KRT17: A Novel Epigenetic Marker for Wool Production in Angora Rabbit. 2022 , 23, 6077	1
102	Ultra high-throughput whole-genome methylation sequencing reveals trajectories in precancerous polyps to early colorectal adenocarcinoma.	0
101	Epigenetic Signatures of Centrosomes Are Novel Targets in Cancer Diagnosis: Insights from an Analysis of the Cancer Genome Atlas. 2022 , 6, 14	0
100	Germline Abnormalities in DNA Methylation and Histone Modification and Associated Cancer Risk.	
99	Sensitive Glal digestion and terminal transferase PCR for DNA methylation detection. 2022 , 247, 123616	
98	Epigenetic priming enhances anti-tumor immunity in platinum resistant ovarian cancer.	2
97	Epigenetic Studies for Evaluation of NPS Toxicity: Focus on Synthetic Cannabinoids and Cathinones. 2022 , 10, 1398	0
96	The Association Between Breast Cancer and Blood-Based Methylation of CD160, ISYNA1 and RAD51B in the Chinese Population. 13,	0
95	Comparative analysis of genome-scale, base-resolution DNA methylation profiles across 580 animal species.	2
94	Aberrant Methylation and Silencing of the BNIP3 Gene in Colorectal and Gastric Cancer. 2005 , 11, 1021-1027	42

- 93 Clinical Study of Serological Detection in Patients with Gastric Cancer. **2022**, 12, 201-207
- 92 Novel Systemic Treatment Modalities including Immunotherapy and Molecular Targeted Therapy for Recurrent and Metastatic head and Neck Squamous Cell Carcinoma. **2022**, 23, 7889 2
- 91 YAP induces an oncogenic transcriptional program through TET1-mediated epigenetic remodeling in liver growth and tumorigenesis. 0
- 90 The prediction of tumor and normal tissues based on the DNA methylation values of ten key sites. **2022**, 1865, 194841
- 89 Folate and DNA Methylation: A Mechanistic Link between Folate Deficiency and Colorectal Cancer?. **2004**, 13, 511-519 72
- 88 Age- and Disease-Related Methylation of Multiple Genes in Nonneoplastic Duodenum and in Duodenal Juice. **2005**, 11, 573-583 6
- 87 CpG Island Methylator Phenotype Is a Strong Determinant of Poor Prognosis in Neuroblastomas. **2005**, 65, 828-834 67
- 86 Immune-Endocrine Perspectives of Breast Cancer. **2022**, 22-61
- 85 Epigenetic gene alterations in metastatic solid tumours: results from the prospective precision medicine MOSCATO and MATCH-R trials. **2022**, 173, 133-145 1
- 84 Triple negative breast cancer (TNBC): Non-genetic tumor heterogeneity and immune microenvironment: Emerging treatment options. **2022**, 237, 108253 3
- 83 Decreased Fidelity in Replicating CpG Methylation Patterns in Cancer Cells. **2005**, 65, 11-17 11
- 82 Global loss of fine-scale chromatin architecture and rebalancing of gene expression during early colorectal cancer development.
- 81 Molecular basis of epigenetic regulation in cancer diagnosis and treatment. 13,
- 80 A happy cell stays home: When metabolic stress creates epigenetic advantages in the tumor microenvironment. 12, 1
- 79 Tumor Suppressor Genes are Reactivated by miR-26A1 via Enhancer Reprogramming in NSCLC.
- 78 Mutation-associated transcripts reconstruct the prognostic features of tongue squamous cell carcinoma.
- 77 Whole-genome bisulfite sequencing analysis of circulating tumour DNA for the detection and molecular classification of cancer. **2022**, 12, 1
- 76 An Association Study of DNA Methylation and Gene Expression in Angelman Syndrome: A Bioinformatics Approach. **2022**, 23, 9139

75	Evaluation of genetic and epigenetic changes of Tumor Necrosis Factor-Alpha gene in larynx cancer. 2022 , 238, 154085	
74	Varicocele-associated male infertility: Cellular and molecular perspectives of pathophysiology.	0
73	NLRC5 promotes tumorigenesis by regulating the PI3K/AKT/autophagy pathway in cervical cancer.	0
72	Novel epigenetic therapeutic strategies and targets in cancer. 2022 , 1868, 166552	1
71	DNA methylation of angiogenic gene in the gastric cancer and fate of S-adenosyl-L-methionine, the donor of the methyl group. 2023 , 848, 146903	0
70	DNA methylation: its role in retinal health and diseases. 2022 , 625-636	0
69	Useful methods to study epigenetic marks: DNA methylation, histone modifications, chromatin structure, and noncoding RNAs. 2022 , 283-310	0
68	An overview of cancer and the human microbiome. 2022 ,	0
67	DNA Methylation Biomarkers in Cancer: Current Clinical Utility and Future Perspectives. 2022 , 95-112	0
66	Deciphering and Targeting Epigenetics in Cancer Metastasis.	0
65	A Brief Landscape of Epigenetic Mechanisms in Dental Pathologies. 2022 , 56, 475-480	0
64	Epigenetic Dysregulations in Arsenic-Induced Carcinogenesis. 2022 , 14, 4502	1
63	Epigenetic regulation of pancreatic adenocarcinoma in the era of cancer immunotherapy.	0
62	Targeted demethylation at ZNF154 promotor upregulates ZNF154 expression and inhibits the proliferation and migration of Esophageal Squamous Carcinoma cells. 2022 , 41, 4537-4546	0
61	Acquired semi-squamization during chemotherapy suggests differentiation as a therapeutic strategy for bladder cancer. 2022 , 40, 1044-1059.e8	1
60	Characterizing DNA methylation signatures of retinoblastoma using aqueous humor liquid biopsy. 2022 , 13,	1
59	Analysis of FOXP3 DNA Methylation Patterns to Identify Functional FOXP3+ T-Cell Subpopulations. 2023 , 115-136	0
58	Cancer Genomics and Evolution. 1-30	0

57	Differentiation Therapy. 1-19	0
56	Construction and analysis of sample-specific driver modules for breast cancer. 2022 , 23,	0
55	Methylation Biomarkers for Early Cancer Detection and Diagnosis: Current and Future Perspectives. 2022 ,	1
54	DNA methyltransferase 3A controls intestinal epithelial barrier function and regeneration in the colon. 2022 , 13,	0
53	Deep Reinforcement Learning for Stabilization of Large-scale Probabilistic Boolean Networks.	0
52	DNA and histone modifications as potent diagnostic and therapeutic targets to advance non-small cell lung cancer management from the perspective of 3P medicine.	0
51	Epigenomic effects of vitamin D in colorectal cancer.	0
50	FOXK2 transcription factor and its roles in tumorigenesis (Review). 2022 , 24,	0
49	The role of SELENBP1 and its epigenetic regulation in carcinogenic progression. 13,	0
48	P16 gene promoter methylation is associated with oncogenesis and progression of gastric carcinomas: A systematic review and meta-analysis. 2022 , 180, 103843	0
47	The Role of DNA Methylation and DNA Methyltransferases in Cancer. 2022 , 317-348	1
46	MicroRNA signature of small cell lung cancer after treatment failure: impact on oncogenic targets by miR -30a-3p control.	0
45	New insights into epigenetic regulation of resistance to PD-1/PD-L1 blockade cancer immunotherapy: mechanisms and therapeutic opportunities. 2022 , 11,	0
44	Immunohistochemical expression of histone modification pattern in adult glioblastoma. 2022 , 0	0
43	High-Throughput DNA Analysis Platform Based on an Optofluidic Ring Resonator Laser. 2022 , 12, 12143	0
42	Epigenetics in Pancreatic Ductal Adenocarcinoma: Impact on Biology and Utilization in Diagnostics and Treatment. 2022 , 14, 5926	0
41	The Four Homeostasis Knights: In Balance upon Post-Translational Modifications. 2022 , 23, 14480	0
40	Heritable epigenetic variation facilitates long-term maintenance of epigenetic and genetic variation.	0

- 39 One-Carbon and Polyamine Metabolism as Cancer Therapy Targets. **2022**, 12, 1902 ○
- 38 Epigenetics and Gut Microbiota Crosstalk: A potential Factor in Pathogenesis of Cardiovascular Disorders. **2022**, 9, 798 ○
- 37 Artificial intelligence-based multi-omics analysis fuels cancer precision medicine. **2023**, 88, 187-200 1
- 36 Mutation-associated transcripts reconstruct the prognostic features of oral tongue squamous cell carcinoma. **2023**, 15, ○
- 35 Comparative analysis of genome-scale, base-resolution DNA methylation profiles across 580 animal species. **2023**, 14, ○
- 34 A New Frontier in Studying Dietary Phytochemicals in Cancer and in Health: Metabolic and Epigenetic Reprogramming. **2022**, 27, 335-346 ○
- 33 Re-Sensitizing Cancer Stem Cells to Conventional Chemotherapy Agents. **2023**, 24, 2122 ○
- 32 Hypomethylation in MTNR1B: a novel epigenetic marker for atherosclerosis profiling using stenosis radiophenotype and blood inflammatory cells. **2023**, 15, ○
- 31 MIMESIS: minimal DNA-methylation signatures to quantify and classify tumor signals in tissue and cell-free DNA samples. ○
- 30 Epigenetic regulation of gene expression: an overview of classical and recently discovered novel players. **2023**, 3-45 ○
- 29 Intestinal metaplasia in progression of Barrett's esophagus to esophageal adenocarcinoma. **2023**, 31, 41-47 ○
- 28 Genitourinary cancers immune biomarkers: a comprehensive overview. **2023**, 389-409 ○
- 27 Epigenetics of radiation-induced GI damage: Role of protein modifications. **2023**, 545-563 ○
- 26 Current perspective of transcriptional regulators in human health and diseases. **2023**, 3-16 ○
- 25 Low-dose arecoline regulates distinct core signaling pathways in oral submucous fibrosis and oral squamous cell carcinoma. **2023**, 23, ○
- 24 Detection of Novel Gene Biomarkers in non-small cell lung cancer using integrated approaches in DNA methylation expression. **2022**, ○
- 23 The Emerging Role of Epigenetics in Metabolism and Endocrinology. **2023**, 12, 256 ○
- 22 DNMT3a-dermatopontin axis suppresses breast cancer malignancy via inactivating YAP. **2023**, 14, ○

- 21 DNA 5-methylcytosine regulates genome-wide formation of G-quadruplex structures. ○
- 20 Prospects and feasibility of synergistic therapy with radiotherapy, immunotherapy, and DNA methyltransferase inhibitors in non-small cell lung cancer. 14, ○
- 19 Epigenetic regulation in hematopoiesis and its implications in the targeted therapy of hematologic malignancies. **2023**, 8, ○
- 18 Modulation of AMPK/ TET2/ 5-hmC axis in response to metabolic alterations as a novel pathway for obesity-related colorectal cancer development. **2023**, 13, ○
- 17 Epigenetics in cancer development, diagnosis and therapy. **2023**, ○
- 16 Insight into epigenetics and human diseases. **2023**, 1-21 ○
- 15 The expression of HDAC9 and P300 in papillary thyroid carcinoma cell line. **2023**, 243, 154385 ○
- 14 Mechanism of Action of Lactic Acid on Histones in Cancer. ○
- 13 Ovarian Cancer Insights into Platinum Resistance and Overcoming It. **2023**, 59, 544 ○
- 12 Shifting the Cancer Screening Paradigm: The Rising Potential of Blood-Based Multi-Cancer Early Detection Tests. **2023**, 12, 935 1
- 11 DNA hypomethylation mediates immune response in pan-cancer. **2023**, 18, ○
- 10 Perspective Chapter: Epigenetic Therapy - The Future Treatment for Cancer. ○
- 9 Insights into radiation carcinogenesis based on dose-rate effects in tissue stem cells. 1-19 ○
- 8 An omics approach to delineating the molecular mechanisms that underlie the biological effects of physical plasma. **2023**, 4, 011312 ○
- 7 A Computational Approach to Predict the Role of Genetic Alterations in Methyltransferase Histones Genes With Implications in Liver Cancer. **2023**, 22, 117693512311614 ○
- 6 Genes transcriptional activity features in different histological subtypes of tongue squamous cell carcinoma. **2023**, 10, 57-78 ○
- 5 Multiplex Digital Methylation-Specific PCR for Noninvasive Screening of Lung Cancer. ○
- 4 Zebularin'in Antioksidan Enzimleri ve *Galleria mellonella* (Lepidoptera: Pyralidae) Lipit Peroksidasyonu Üzerindeki Etkisi. ○

3	DNA damage, demethylation and anticancer activity of DNA methyltransferase (DNMT) inhibitors. 2023 , 13,	o
2	MiR-532-3pinhibited the methylation ofSOCS2to suppress the progression of PC by targetingDNMT3A. 2023 , 6, e202201703	o
1	No association between MTHFR gene C677T / A1298C polymorphisms, serum folate, vitamin B12, homocysteine levels, and prostate cancer in an Algerian population.	o