

# Epigenetics in human disease and prospects for epigenome

Nature

429, 457-463

DOI: [10.1038/nature02625](https://doi.org/10.1038/nature02625)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Myelodysplastic Syndromes. Hematology American Society of Hematology Education Program, 2004, 2004, 297-317.	0.9	99
2	Crystal structure of a eukaryotic zinc-dependent histone deacetylase, human HDAC8, complexed with a hydroxamic acid inhibitor. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 15064-15069.	3.3	573
3	Epigenetics and cancer. Genes and Development, 2004, 18, 2315-2335.	2.7	415
4	Reprogramming of a melanoma genome by nuclear transplantation. Genes and Development, 2004, 18, 1875-1885.	2.7	321
5	High-Speed Conversion of Cytosine to Uracil in Bisulfite Genomic Sequencing Analysis of DNA Methylation. DNA Research, 2004, 11, 409-415.	1.5	74
6	Ham-Wasserman Lecture. Hematology American Society of Hematology Education Program, 2004, 2004, 1-13.	0.9	25
7	Mechanism of inhibition of DNA methyltransferases by cytidine analogs in cancer therapy. Cancer Biology and Therapy, 2004, 3, 1062-1068.	1.5	85
8	Mothering style and methylation. Nature Neuroscience, 2004, 7, 791-792.	7.1	74
9	CpG island methylator phenotype in cancer. Nature Reviews Cancer, 2004, 4, 988-993.	12.8	973
10	Zebularine: a candidate for epigenetic cancer therapy. Drug Discovery Today, 2004, 9, 906-907.	3.2	10
11	Genomic imprinting. Current Biology, 2004, 14, R646-R649.	1.8	48
12	Distinct effects on gene expression of chemical and genetic manipulation of the cancer epigenome revealed by a multimodality approach. Cancer Cell, 2004, 6, 361-371.	7.7	172
13	Epigenetics and Cancer. Critical Reviews in Clinical Laboratory Sciences, 2004, 41, 585-607.	2.7	54
14	Chromatin targets: reading and writing the cancer cell epigenome. Drug Discovery Today: Disease Models, 2004, 1, 43-48.	1.2	0
15	Methylthioadenosine phosphorylase gene expression is impaired in human liver cirrhosis and hepatocarcinoma. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2004, 1690, 276-284.	1.8	32
16	DNA methyltransferase inhibitors: old and new drugs for an epigenetic cancer therapy. Trends in Pharmacological Sciences, 2004, 25, 551-554.	4.0	144
17	To Learn Better, Keep the HAT on. Neuron, 2004, 42, 879-881.	3.8	19
18	RNA interference, DNA methylation, and gene silencing: a bright future for cancer therapy?. Lancet Oncology, The, 2004, 5, 653-654.	5.1	11

#	ARTICLE	IF	CITATIONS
19	Chromatin dynamics and cancer. <i>Cancer Biology and Therapy</i> , 2004, 3, 825-830.	1.5	8
20	Zebularine: a new drug for epigenetic therapy. <i>Biochemical Society Transactions</i> , 2004, 32, 910-912.	1.6	181
21	Tumor cell-specific <i>BRCA1</i> and <i>RASSF1A</i> hypermethylation in serum, plasma and peritoneal fluid from ovarian cancer patients. <i>Women's Oncology Review</i> , 2005, 5, 19-21.	0.0	0
22	Nutritional Epigenetics: Impact of Folate Deficiency on DNA Methylation and Colon Cancer Susceptibility. <i>Journal of Nutrition</i> , 2005, 135, 2703-2709.	1.3	225
23	Gene expression profiling: a new tool for pediatric neurology? editorial review. <i>Current Opinion in Neurology</i> , 2005, 18, 89-90.	1.8	5
24	Acquired $\hat{\pm}$ -thalassemia in association with myelodysplastic syndrome and other hematologic malignancies. <i>Blood</i> , 2005, 105, 443-452.	0.6	95
25	Oxidative Stress Profiling: Part II. Theory, Technology, and Practice. <i>Annals of the New York Academy of Sciences</i> , 2005, 1055, 136-158.	1.8	51
26	Understanding $\hat{\pm}$ -Globin Gene Regulation: Aiming to Improve the Management of Thalassemia. <i>Annals of the New York Academy of Sciences</i> , 2005, 1054, 92-102.	1.8	47
27	Resetting the Epigenetic Histone Code in the MRL-lpr/lpr Mouse Model of Lupus by Histone Deacetylase Inhibition. <i>Journal of Proteome Research</i> , 2005, 4, 2032-2042.	1.8	135
28	Novel relationships among DNA methylation, histone modifications and gene expression in <i>Ascobolus</i> . <i>Molecular Microbiology</i> , 2005, 57, 180-195.	1.2	7
29	Aberrant methylations in cancer cells: Where do they come from?. <i>Cancer Science</i> , 2005, 96, 206-211.	1.7	173
30	Epigenetic mechanisms in memory formation. <i>Nature Reviews Neuroscience</i> , 2005, 6, 108-118.	4.9	680
31	The Human Cancer Genome Projectâ€™one more misstep in the war on cancer. <i>Nature Biotechnology</i> , 2005, 23, 535-537.	9.4	71
32	Tumor-selective action of HDAC inhibitors involves TRAIL induction in acute myeloid leukemia cells. <i>Nature Medicine</i> , 2005, 11, 77-84.	15.2	567
33	Detection and interpretation of altered methylation patterns in cancer cells. <i>Nature Reviews Cancer</i> , 2005, 5, 223-231.	12.8	439
34	Urothelial tumorigenesis: a tale of divergent pathways. <i>Nature Reviews Cancer</i> , 2005, 5, 713-725.	12.8	621
35	Azacitidine. <i>Nature Reviews Drug Discovery</i> , 2005, 4, 275-276.	21.5	128
36	Clofarabine. <i>Nature Reviews Drug Discovery</i> , 2005, 4, 369-370.	21.5	47

#	ARTICLE	IF	CITATIONS
37	Epigenetic changes in virus-associated human cancers. <i>Cell Research</i> , 2005, 15, 262-271.	5.7	81
38	Dynamic and reversibility of heterochromatic gene silencing in human disease. <i>Cell Research</i> , 2005, 15, 679-690.	5.7	32
39	Predicting the effect of transcription therapy in hematologic malignancies. <i>Leukemia</i> , 2005, 19, 1109-1117.	3.3	17
40	Interaction of HTLV-1 Tax and methyl-CpG-binding domain 2 positively regulates the gene expression from the hypermethylated LTR. <i>Oncogene</i> , 2005, 24, 1914-1923.	2.6	32
41	Analysis of methylation-sensitive transcriptome identifies GADD45a as a frequently methylated gene in breast cancer. <i>Oncogene</i> , 2005, 24, 2705-2714.	2.6	76
42	Inhibition of endogenous reverse transcriptase antagonizes human tumor growth. <i>Oncogene</i> , 2005, 24, 3923-3931.	2.6	168
43	Embryonic reversions and lineage infidelities in tumour cells: genome-based models and role of genetic instability. <i>International Journal of Experimental Pathology</i> , 2005, 86, 67-79.	0.6	13
44	Chromatin remodeling in neural development and plasticity. <i>Current Opinion in Cell Biology</i> , 2005, 17, 664-671.	2.6	198
45	Metabolic activation of zebularine, a novel DNA methylation inhibitor, in human bladder carcinoma cells. <i>Biochemical Pharmacology</i> , 2005, 70, 121-133.	2.0	79
46	Biological variables and prognosis of DCIS. <i>Breast</i> , 2005, 14, 509-519.	0.9	23
47	Epigenetic Changes in Solid and Hematopoietic Tumors. <i>Seminars in Oncology</i> , 2005, 32, 521-530.	0.8	123
48	Epigenetic Modulation of Solid Tumors as a Novel Approach for Cancer Immunotherapy. <i>Seminars in Oncology</i> , 2005, 32, 473-478.	0.8	44
49	Epigenetic Drugs: A Longstanding Story. <i>Seminars in Oncology</i> , 2005, 32, 437-442.	0.8	19
50	Cancer cell adaptation to chemotherapy. <i>BMC Cancer</i> , 2005, 5, 78.	1.1	110
51	Histone modifications as a platform for cancer therapy. <i>Journal of Cellular Biochemistry</i> , 2005, 94, 1088-1102.	1.2	59
52	DNA methylation 40 years later: Its role in human health and disease. <i>Journal of Cellular Physiology</i> , 2005, 204, 21-35.	2.0	108
53	Regulating fragile X gene transcription in the brain and beyond. <i>Journal of Cellular Physiology</i> , 2005, 205, 170-175.	2.0	20
54	DNA methylation in mammalian development and disease. <i>Birth Defects Research Part C: Embryo Today Reviews</i> , 2005, 75, 98-111.	3.6	91

#	ARTICLE	IF	CITATIONS
55	Epigenetics – An Epicenter of Gene Regulation: Histones and Histone-Modifying Enzymes. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 3186-3216.	7.2	268
56	Chemical Primer Extension: Efficiently Determining Single Nucleotides in DNA. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 6588-6592.	7.2	66
59	Hypermethylation patterns in the Fhit regulatory region are tissue specific. <i>Molecular Carcinogenesis</i> , 2005, 43, 175-181.	1.3	9
60	Clinical implications of aberrant DNA methylation patterns in acute myelogenous leukemia. <i>Annals of Hematology</i> , 2005, 84, 39-46.	0.8	74
61	Decitabine: a historical review of the development of an epigenetic drug. <i>Annals of Hematology</i> , 2005, 84, 3-8.	0.8	45
62	siRNA-mediated transcriptional gene silencing: the potential mechanism and a possible role in the histone code. <i>Cellular and Molecular Life Sciences</i> , 2005, 62, 3057-3066.	2.4	90
63	Glucocorticoid programming of adult disease. <i>Cell and Tissue Research</i> , 2005, 322, 81-88.	1.5	63
64	Abrogation of DUSP6 by hypermethylation in human pancreatic cancer. <i>Journal of Human Genetics</i> , 2005, 50, 159-167.	1.1	124
65	Granulocyte heterochromatin: defining the epigenome. , 2005, 6, 39.		27
66	BeadArray – based solutions for enabling the promise of pharmacogenomics. <i>BioTechniques</i> , 2005, 39, S583-S588.	0.8	25
67	New anti-cancer strategies: Epigenetic therapies and biomarkers. <i>Frontiers in Bioscience - Landmark</i> , 2005, 10, 1897.	3.0	66
69	Systems Biology: New Approaches to Old Environmental Health Problems. <i>International Journal of Environmental Research and Public Health</i> , 2005, 2, 4-9.	1.2	14
71	Developmentally Regulated Expression of Sp1 in the Mouse Cornea. , 2005, 46, 4092.		21
73	The prima donna of epigenetics: the regulation of gene expression by DNA methylation. <i>Brazilian Journal of Medical and Biological Research</i> , 2005, 38, 1531-1541.	0.7	62
75	Clofarabine. <i>Nature Reviews Drug Discovery</i> , 2005, 4, S12-S13.	21.5	14
76	Reciprocal Binding of CTCF and BORIS to the NY-ESO-1 Promoter Coincides with Derepression of this Cancer-Testis Gene in Lung Cancer Cells. <i>Cancer Research</i> , 2005, 65, 7763-7774.	0.4	168
77	Editorial [Hot Topic: Mini Hot Topic Title: Epigenetic Regulatory Mechanisms in Cancer, Development, and Evolution (Guest Editor: Douglas M. Ruden)]. <i>Current Genomics</i> , 2005, 6, 127-127.	0.7	1
78	Azacitidine. <i>Nature Reviews Drug Discovery</i> , 2005, 4, S6-S7.	21.5	48

#	ARTICLE	IF	CITATIONS
79	Diagnostic and Therapeutic Applications of Epigenetics. Japanese Journal of Clinical Oncology, 2005, 35, 293-301.	0.6	121
80	Classical radiation biology, the bystander effect and paradigms: a reply. Human and Experimental Toxicology, 2005, 24, 537-542.	1.1	16
81	Chromatin modifying activity of leukaemia associated fusion proteins. Human Molecular Genetics, 2005, 14, R77-R84.	1.4	63
82	Deregulated expression of Polycomb-group oncogenes in human malignant lymphomas and epithelial tumors. Human Molecular Genetics, 2005, 14, R93-R100.	1.4	82
83	The MTHFR 1298A>C Polymorphism and Genomic DNA Methylation in Human Lymphocytes. Cancer Epidemiology Biomarkers and Prevention, 2005, 14, 938-943.	1.1	74
84	Epigenetic Reactivation of Tumor Suppressor Genes by a Novel Small-Molecule Inhibitor of Human DNA Methyltransferases. Cancer Research, 2005, 65, 6305-6311.	0.4	491
85	Parvovirus Nonstructural Proteins Induce an Epigenetic Modification through Histone Acetylation in Host Genes and Revert Tumor Malignancy to Benignancy. Journal of Virology, 2005, 79, 8886-8893.	1.5	18
86	Phase II Study of Low-Dose Decitabine in Patients With Chronic Myelogenous Leukemia Resistant to Imatinib Mesylate. Journal of Clinical Oncology, 2005, 23, 3948-3956.	0.8	290
87	Cell Adhesion Status-dependent Histone Acetylation Is Regulated through Intracellular Contractility-related Signaling Activities. Journal of Biological Chemistry, 2005, 280, 28357-28364.	1.6	31
88	Promoter Hypermethylation: A New Therapeutic Target Emerges in Urothelial Cancer. Journal of Clinical Oncology, 2005, 23, 2879-2881.	0.8	18
89	Differential DNA Methylation of Gene Promoters in Small B-Cell Lymphomas. American Journal of Clinical Pathology, 2005, 124, 430-439.	0.4	30
90	Comparison of biological effects of non-nucleoside DNA methylation inhibitors versus 5-aza-2'-deoxycytidine. Molecular Cancer Therapeutics, 2005, 4, 1515-1520.	1.9	203
91	Release of Methyl CpG Binding Proteins and Histone Deacetylase 1 from the Estrogen Receptor $\hat{\pm}$ (ER) Promoter upon Reactivation in ER-Negative Human Breast Cancer Cells. Molecular Endocrinology, 2005, 19, 1740-1751.	3.7	148
92	4 Angiogenesis, Metastasis, and Epigenetics in Cancer. Handbook of Immunohistochemistry and in Situ Hybridization of Human Carcinomas, 2005, 4, 45-57.	0.0	0
93	Quantitative Detection of Promoter Hypermethylation in Multiple Genes in the Serum of Patients with Colorectal Cancer. American Journal of Gastroenterology, 2005, 100, 2274-2279.	0.2	134
94	Statistical coevolution analysis and molecular dynamics: Identification of amino acid pairs essential for catalysis. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 994-999.	3.3	48
95	Epigenetic Profiling of Cutaneous T-Cell Lymphoma: Promoter Hypermethylation of Multiple Tumor Suppressor Genes Including BCL7a, PTPRG, and p73. Journal of Clinical Oncology, 2005, 23, 3886-3896.	0.8	224
96	Histone Deacetylase Inhibitor Valproic Acid Enhances the Cytokine-Induced Expansion of Human Hematopoietic Stem Cells. Cancer Research, 2005, 65, 1505-1513.	0.4	147

#	ARTICLE	IF	CITATIONS
97	Emerging Concepts in Nutrigenomics: A Preview of What Is to Come. Nutrition in Clinical Practice, 2005, 20, 75-87.	1.1	26
98	Halogenated Thymidine Analogues Restore the Expression of Silenced Genes without Demethylation. Cancer Research, 2005, 65, 6927-6933.	0.4	15
99	Genomic Epidemiology of Complex Disease: The Need for an Electronic Evidence-based Approach to Research Synthesis. American Journal of Epidemiology, 2005, 162, 297-301.	1.6	30
100	Does Nutrition during Infancy and Early Childhood Contribute to Later Obesity via Metabolic Imprinting of Epigenetic Gene Regulatory Mechanisms?. , 2005, 56, 157-174.		29
101	Functional analysis of the N- and C-terminus of mammalian G9a histone H3 methyltransferase. Nucleic Acids Research, 2005, 33, 3211-3223.	6.5	46
102	Array-based analysis of genomic DNA methylation patterns of the tumour suppressor gene p16INK4A promoter in colon carcinoma cell lines. Nucleic Acids Research, 2005, 33, e73-e73.	6.5	34
103	Detection and discovery of RNA modifications using microarrays. Nucleic Acids Research, 2005, 33, e2-e2.	6.5	50
104	Overview of Cancer Epigenetics. Seminars in Hematology, 2005, 42, S3-S8.	1.8	79
105	Decitabine Dosing Schedules. Seminars in Hematology, 2005, 42, S17-S22.	1.8	38
106	Long-Range Control of Gene Expression: Emerging Mechanisms and Disruption in Disease. American Journal of Human Genetics, 2005, 76, 8-32.	2.6	772
107	Épigénétique nutritionnelle : impact de régimes alimentaires déséquilibrés sur les processus épigénétiques de programmation au cours de la vie et transgénérationnels. Annales D'Endocrinologie, 2005, 66, 19-28.	0.6	10
108	Interactive Effects of HDAC Inhibitors and TRAIL on Apoptosis Are Associated with Changes in Mitochondrial Functions and Expressions of Cell Cycle Regulatory Genes in Multiple Myeloma. Neoplasia, 2005, 7, 646-657.	2.3	141
110	siRNA Induced Transcriptional Gene Silencing in Mammalian Cells. Cell Cycle, 2005, 4, 442-448.	1.3	44
111	Comparisons of Brain, Uterus, and Liver mRNA Expression for Cytochrome P450s, DNA Methyltransferase-1, and Catechol-O-Methyltransferase in Prepubertal Female Sprague-Dawley Rats Exposed to a Mixture of Aryl Hydrocarbon Receptor Agonists. Toxicological Sciences, 2005, 86, 175-184.	1.4	46
112	Reversal of Hypermethylation and Reactivation of p16INK4a, RAR $\beta$ , and MGMT Genes by Genistein and Other Isoflavones from Soy. Clinical Cancer Research, 2005, 11, 7033-7041.	3.2	389
113	Many players, one goal: how chromatin states are inherited during cell division. Biochemistry and Cell Biology, 2005, 83, 332-343.	0.9	18
114	CpG Island Hypermethylation in Breast Cancer Progression and Metastasis. , 2005, , 81-132.		1
115	Genetics, genomics and proteomics in atherosclerosis research. Annals of Medicine, 2005, 37, 323-332.	1.5	33

#	ARTICLE	IF	CITATIONS
116	Histone Acetylation-independent Effect of Histone Deacetylase Inhibitors on Akt through the Reshuffling of Protein Phosphatase 1 Complexes. <i>Journal of Biological Chemistry</i> , 2005, 280, 38879-38887.	1.6	207
117	Identifying DNA Methylation Biomarkers of Cancer Drug Response. <i>Molecular Diagnosis and Therapy</i> , 2005, 5, 223-232.	3.3	56
118	Nutritional Epigenomics of Metabolic Syndrome: New Perspective Against the Epidemic. <i>Diabetes</i> , 2005, 54, 1899-1906.	0.3	233
119	Potential diagnostic and prognostic values of detecting promoter hypermethylation in the serum of patients with gastric cancer. <i>British Journal of Cancer</i> , 2005, 92, 2190-2194.	2.9	98
120	DNA Methyltransferase Inhibitors and the Development of Epigenetic Cancer Therapies. <i>Journal of the National Cancer Institute</i> , 2005, 97, 1498-1506.	3.0	446
121	Epigenetic events in medulloblastoma development. <i>Neurosurgical Focus</i> , 2005, 19, 1-13.	1.0	36
122	Histone deacetylase inhibitors: insights into mechanisms of lethality. <i>Expert Opinion on Therapeutic Targets</i> , 2005, 9, 809-824.	1.5	116
123	Cancer epigenetics. <i>Human Molecular Genetics</i> , 2005, 14, R65-R76.	1.4	409
124	The Theoretical Basis of Transcriptional Therapy of Cancer: Can It Be Put Into Practice?. <i>Journal of Clinical Oncology</i> , 2005, 23, 3957-3970.	0.8	31
125	Mechanism of Allosteric Regulation of Dnmt1's Processivity. <i>Biochemistry</i> , 2005, 44, 14977-14988.	1.2	31
126	DNA Cytosine C5 Methyltransferase Dnmt1: A Catalysis-Dependent Release of Allosteric Inhibition. <i>Biochemistry</i> , 2005, 44, 9472-9485.	1.2	42
127	The Genome Health Clinic and Genome Health Nutrigenomics concepts: diagnosis and nutritional treatment of genome and epigenome damage on an individual basis. <i>Mutagenesis</i> , 2005, 20, 255-269.	1.0	144
128	Valproic acid, in combination with all-trans retinoic acid and 5-aza-2-deoxycytidine, restores expression of silenced RAR $\beta$ 2 in breast cancer cells. <i>Molecular Cancer Therapeutics</i> , 2005, 4, 477-486.	1.9	78
129	Characterization of DNA Demethylation Effects Induced by 5-Aza-2-Deoxycytidine in Patients with Myelodysplastic Syndrome. <i>Cancer Research</i> , 2005, 65, 7086-7090.	0.4	103
130	The methyltransferase inhibitor 5-aza-2-deoxycytidine induces apoptosis via induction of 15-lipoxygenase-1 in colorectal cancer cells. <i>Molecular Cancer Therapeutics</i> , 2005, 4, 1740-1746.	1.9	38
131	Epigenetics is Here to Stay. <i>Journal of Pediatrics</i> , 2005, 147, 427-428.	0.9	4
132	Stable loss of global DNA methylation in the radiation-target tissue—A possible mechanism contributing to radiation carcinogenesis?. <i>Biochemical and Biophysical Research Communications</i> , 2005, 337, 526-533.	1.0	107
133	Elevated stearyl-CoA desaturase-1 expression in skeletal muscle contributes to abnormal fatty acid partitioning in obese humans. <i>Cell Metabolism</i> , 2005, 2, 251-261.	7.2	326



#	ARTICLE	IF	CITATIONS
134	Acute myeloid leukemia: Therapeutic impact of epigenetic drugs. <i>International Journal of Biochemistry and Cell Biology</i> , 2005, 37, 1752-1762.	1.2	47
135	The emerging therapeutic potential of sirtuin-interacting drugs: from cell death to lifespan extension. <i>Trends in Pharmacological Sciences</i> , 2005, 26, 94-103.	4.0	166
136	DNA methylation and the expanding epigenetics of T cell lineage commitment. <i>Seminars in Immunology</i> , 2005, 17, 105-119.	2.7	114
137	Epigenetics of cervical cancer. An overview and therapeutic perspectives. <i>Molecular Cancer</i> , 2005, 4, 38.	7.9	183
138	Epigenetic Regulation by Histone Methylation and Histone Variants. <i>Molecular Endocrinology</i> , 2005, 19, 563-573.	3.7	266
139	3p21.3 tumor suppressor cluster: prospects for translational applications. <i>Future Oncology</i> , 2005, 1, 79-92.	1.1	81
140	CIMP, at Last. <i>Gastroenterology</i> , 2005, 129, 1121-1124.	0.6	98
141	From genome to epigenome. <i>Human Molecular Genetics</i> , 2005, 14, R3-R10.	1.4	154
143	<i>Molecular Biology of Human Cancers.</i> , 2005, , .		4
144	Mechanisms of Disease: oncogene addictionâ€™a rationale for molecular targeting in cancer therapy. <i>Nature Clinical Practice Oncology</i> , 2006, 3, 448-457.	4.3	634
145	Clonal and non-clonal chromosome aberrations and genome variation and aberration. <i>Genome</i> , 2006, 49, 195-204.	0.9	82
146	Meiosis and Meiotic Recombination. , 2006, , 1043-1051.		0
147	Myofibrillogenesis. , 2006, , 1240-1240.		0
148	Mendelian Forms of Human Hypertension and Mechanisms of Disease. , 2006, , 1053-1058.		0
150	<i>Molecular Motors.</i> , 2006, , 1160-1174.		11
151	MAD Phasing. , 2006, , 1002-1008.		0
153	CpG Island Methylation of Tumor-Related Promoters Occurs Preferentially in Undifferentiated Carcinoma. <i>Thyroid</i> , 2006, 16, 633-642.	2.4	96
154	Epigenetic Modulation of Tumor Suppressor CCAAT/Enhancer Binding Protein Î± Activity in Lung Cancer. <i>Journal of the National Cancer Institute</i> , 2006, 98, 396-406.	3.0	103

#	ARTICLE	IF	CITATIONS
155	NY-ESO-1 immunotherapy for multiple myeloma. <i>Leukemia and Lymphoma</i> , 2006, 47, 2037-2048.	0.6	29
156	Acute myeloid leukaemia. <i>Lancet, The</i> , 2006, 368, 1894-1907.	6.3	1,103
157	Methylation-specific digital karyotyping. <i>Nature Protocols</i> , 2006, 1, 1621-1636.	5.5	32
158	PDLIM4 repression by hypermethylation as a potential biomarker for prostate cancer.. <i>Clinical Cancer Research</i> , 2006, 12, 1128-1136.	3.2	106
159	Differential and Epigenetic Gene Expression Profiling Identifies Frequent Disruption of the RELN Pathway in Pancreatic Cancers. <i>Gastroenterology</i> , 2006, 130, 548-565.	0.6	139
160	Applying whole-genome studies of epigenetic regulation to study human disease. <i>Cytogenetic and Genome Research</i> , 2006, 114, 1-15.	0.6	54
161	Silenced Tumor Suppressor Genes Reactivated by DNA Demethylation Do Not Return to a Fully Euchromatic Chromatin State. <i>Cancer Research</i> , 2006, 66, 3541-3549.	0.4	266
162	Epigenetics and airways disease. <i>Respiratory Research</i> , 2006, 7, 21.	1.4	133
163	Epigenetic aberrations and cancer. <i>Molecular Cancer</i> , 2006, 5, 60.	7.9	144
164	5' long terminal repeat (LTR)-selective methylation of latently infected HIV-1 provirus that is demethylated by reactivation signals. <i>Retrovirology</i> , 2006, 3, 69.	0.9	78
165	Treatment of Acute Lymphoblastic Leukemia. <i>New England Journal of Medicine</i> , 2006, 354, 166-178.	13.9	1,740
166	Epigenetics and human disease: translating basic biology into clinical applications. <i>Cmaj</i> , 2006, 174, 341-348.	0.9	371
167	Molecular Imprints. , 2006, , 1160-1160.		0
168	Genetic and Epigenetic Biomarkers in Cancer. <i>Molecular Diagnosis and Therapy</i> , 2006, 10, 1-15.	1.6	34
169	Functional Diversity of DNA Methyltransferase Inhibitors in Human Cancer Cell Lines. <i>Cancer Research</i> , 2006, 66, 2794-2800.	0.4	360
170	Step out of the Groove: Epigenetic Gene Control Systems and Engineered Transcription Factors. <i>Advances in Genetics</i> , 2006, 56, 163-204.	0.8	24
171	Small dsRNAs induce transcriptional activation in human cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 17337-17342.	3.3	675
172	Epigenetic regulation of Th1 and Th2 cell development. <i>Brain, Behavior, and Immunity</i> , 2006, 20, 317-324.	2.0	77

#	ARTICLE	IF	CITATIONS
173	Cell-free and cell-bound circulating DNA in breast tumours: DNA quantification and analysis of tumour-related gene methylation. <i>British Journal of Cancer</i> , 2006, 94, 1492-1495.	2.9	141
174	DNA Methylation Changes after 5-Aza-2-Deoxycytidine Therapy in Patients with Leukemia. <i>Cancer Research</i> , 2006, 66, 5495-5503.	0.4	253
175	Chimpanzee epigenome project?. <i>Medical Hypotheses</i> , 2006, 66, 1250-1251.	0.8	0
176	Substrate and Functional Diversity of Lysine Acetylation Revealed by a Proteomics Survey. <i>Molecular Cell</i> , 2006, 23, 607-618.	4.5	1,372
177	Epigenetic mechanisms and gastrointestinal development. <i>Journal of Pediatrics</i> , 2006, 149, S137-S142.	0.9	83
178	Two-color quantitative multiplex methylation-specific PCR. <i>BioTechniques</i> , 2006, 40, 210-219.	0.8	28
180	Developmental windows and environment as important factors in the expression of genetic information: a cardiovascular physiologist's view. <i>Clinical Science</i> , 2006, 111, 295-305.	1.8	40
181	The novel DNA methylation inhibitor zebularine is effective against the development of murine T-cell lymphoma. <i>Blood</i> , 2006, 107, 1174-1177.	0.6	64
182	Epigenetic processes play a major role in B-cell-specific gene silencing in classical Hodgkin lymphoma. <i>Blood</i> , 2006, 107, 2493-2500.	0.6	169
183	A Mixed Epigenetic and Genetic and Mixed De Novo and Inherited Model for Autism. , 2006, , 95-111.		0
184	An Introduction and Overview of Nutritional Genomics: Application to Type 2 Diabetes and International Nutrigenomics. , 2006, , 1-35.		2
185	Assessing the Effects of High Methionine Intake on DNA Methylation. <i>Journal of Nutrition</i> , 2006, 136, 1706S-1710S.	1.3	228
186	Reply to P. N. Lee. <i>International Journal of Epidemiology</i> , 2006, 35, 491-492.	0.9	1
187	Sample Bias Among Women With Retained DNA Samples for Future Genetic Studies. <i>Obstetrics and Gynecology</i> , 2006, 108, 1115-1120.	1.2	16
188	Clonal diversity of the stem cell compartment. <i>Current Opinion in Hematology</i> , 2006, 13, 243-248.	1.2	35
189	Genetic and nutrient determinants of the metabolic syndrome. <i>Current Opinion in Cardiology</i> , 2006, 21, 185-193.	0.8	88
190	Stem cells, senescence, neosis and self-renewal in cancer. <i>Cancer Cell International</i> , 2006, 6, 25.	1.8	108
191	Human hair genealogies and stem cell latency. <i>BMC Biology</i> , 2006, 4, 2.	1.7	20

#	ARTICLE	IF	CITATIONS
192	Histone deacetylase inhibitors and the promise of epigenetic (and more) treatments for cancer. <i>Nature Reviews Cancer</i> , 2006, 6, 38-51.	12.8	2,049
193	Epigenetic gene silencing in cancer – a mechanism for early oncogenic pathway addiction?. <i>Nature Reviews Cancer</i> , 2006, 6, 107-116.	12.8	1,541
194	The epigenetic progenitor origin of human cancer. <i>Nature Reviews Genetics</i> , 2006, 7, 21-33.	7.7	1,642
195	Epigenetics as a mechanism driving polygenic clinical drug resistance. <i>British Journal of Cancer</i> , 2006, 94, 1087-1092.	2.9	216
196	The Polycomb group protein EZH2 directly controls DNA methylation. <i>Nature</i> , 2006, 439, 871-874.	13.7	1,964
197	Myc influences global chromatin structure. <i>EMBO Journal</i> , 2006, 25, 2723-2734.	3.5	343
198	Pilot study of combination transcriptional modulation therapy with sodium phenylbutyrate and 5-azacytidine in patients with acute myeloid leukemia or myelodysplastic syndrome. <i>Leukemia</i> , 2006, 20, 212-217.	3.3	111
199	Differential DNA methylation patterns of small B-cell lymphoma subclasses with different clinical behavior. <i>Leukemia</i> , 2006, 20, 1855-1862.	3.3	74
200	Epigenetic repression of RASSF1A but not CASP8 in supratentorial PNET (sPNET) and atypical teratoid/rhabdoid tumors (AT/RT) of childhood. <i>Oncogene</i> , 2006, 25, 1111-1117.	2.6	38
201	Aberrant methylation of the Wnt antagonist SFRP1 in breast cancer is associated with unfavourable prognosis. <i>Oncogene</i> , 2006, 25, 3479-3488.	2.6	234
202	Histone modifications silence the GATA transcription factor genes in ovarian cancer. <i>Oncogene</i> , 2006, 25, 5446-5461.	2.6	101
203	Epigenetic regulation of X-linked cancer/germline antigen genes by DNMT1 and DNMT3b. <i>Oncogene</i> , 2006, 25, 6975-6985.	2.6	110
204	The fundamental role of epigenetics in hematopoietic malignancies. <i>Blood Reviews</i> , 2006, 20, 1-13.	2.8	196
205	A reassessment of semiquantitative analytical procedures for DNA methylation: Comparison of bisulfite- and HpaII polymerase-chain-reaction-based methods. <i>Analytical Biochemistry</i> , 2006, 350, 24-31.	1.1	20
206	Identification of differentially methylated sites within unmethylated DNA domains in normal and cancer cells. <i>Analytical Biochemistry</i> , 2006, 356, 202-207.	1.1	20
207	5mC CpG island methylation analysis identifies the MAGE-A1 and MAGE-A3 genes as potential markers of HCC. <i>Clinical Biochemistry</i> , 2006, 39, 259-266.	0.8	21
208	Interactions gènes-environnement au cours de la bronchopneumopathie chronique obstructive et l'asthme. Relations avec la composition corporelle. <i>Nutrition Clinique Et Metabolisme</i> , 2006, 20, 185-189.	0.2	1
209	A liquid chromatography-electrospray ionization tandem mass spectrometric assay for quantitation of the histone deacetylase inhibitor, vorinostat (suberoylanilide hydroxamic acid, SAHA), and its metabolites in human serum. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2006, 840, 108-115.	1.2	56

#	ARTICLE	IF	CITATIONS
210	High-throughput DNA methylation profiling using universal bead arrays. <i>Genome Research</i> , 2006, 16, 383-393.	2.4	591
211	Epigenetic Targets in GABAergic Neurons to Treat Schizophrenia. <i>Advances in Pharmacology</i> , 2006, 54, 95-117.	1.2	23
212	Impact of diets and nutrients/drugs on early epigenetic programming. <i>Journal of Inherited Metabolic Disease</i> , 2006, 29, 359-365.	1.7	47
213	The role of epigenetic alterations in pancreatic cancer. <i>Journal of Hepato-Biliary-Pancreatic Surgery</i> , 2006, 13, 286-295.	2.0	83
214	DNA methylation as a marker for the past and future. <i>Journal of Gastroenterology</i> , 2006, 41, 401-407.	2.3	133
215	Epigenetics and phenotypic variation in mammals. <i>Mammalian Genome</i> , 2006, 17, 365-374.	1.0	107
216	Epigenetic regulation of immune escape genes in cancer. <i>Cancer Immunology, Immunotherapy</i> , 2006, 55, 1159-1184.	2.0	108
217	Satellite Symposia and Meet-the-Professor Sessions. <i>Annals of Hematology</i> , 2006, 85, 28-126.	0.8	2
218	Abnormal histone acetylase and deacetylase expression and function in lung inflammation. <i>Inflammation Research</i> , 2006, 55, 311-321.	1.6	35
219	Quantitative assessment of DNA methylation: potential applications for disease diagnosis, classification, and prognosis in clinical settings. <i>Journal of Molecular Medicine</i> , 2006, 84, 365-377.	1.7	91
220	Epigenetic boundaries of tumour suppressor gene promoters: the CTCF connection and its role in carcinogenesis. <i>Journal of Cellular and Molecular Medicine</i> , 2006, 10, 554-568.	1.6	44
221	X-linked mental retardation and epigenetics. <i>Journal of Cellular and Molecular Medicine</i> , 2006, 10, 808-825.	1.6	15
222	Effect of 5-aza-2'-deoxycytidine (Dacogen) on covalent histone modifications of chromatin associated with the $\epsilon$ -, $\beta$ -, and $\delta$ -globin promoters in <i>Papio anubis</i> . <i>Experimental Hematology</i> , 2006, 34, 339-347.	0.2	29
223	Specific activation of microRNA-127 with downregulation of the proto-oncogene BCL6 by chromatin-modifying drugs in human cancer cells. <i>Cancer Cell</i> , 2006, 9, 435-443.	7.7	1,253
224	Chromatin structure and epigenetics. <i>Biochemical Pharmacology</i> , 2006, 72, 1563-1569.	2.0	149
225	Keeping up NF- $\kappa$ B appearances: Epigenetic control of immunity or inflammation-triggered epigenetics. <i>Biochemical Pharmacology</i> , 2006, 72, 1114-1131.	2.0	100
226	Keynote review: Chromatin control and cancer-drug discovery: realizing the promise. <i>Drug Discovery Today</i> , 2006, 11, 97-109.	3.2	71
227	A life-course approach to the aetiology of late-onset dementias. <i>Lancet Neurology</i> , The, 2006, 5, 87-96.	4.9	278

#	ARTICLE	IF	CITATIONS
228	Nutritional modulation of ageing: Genomic and epigenetic approaches. <i>Mechanisms of Ageing and Development</i> , 2006, 127, 584-589.	2.2	61
229	Reverting cholesterol auxotrophy of NS0 cells by altering epigenetic gene silencing. <i>Biotechnology and Bioengineering</i> , 2006, 93, 820-827.	1.7	31
230	Inhibition of histone deacetylase as a new mechanism of teratogenesis. <i>Birth Defects Research Part C: Embryo Today Reviews</i> , 2006, 78, 345-353.	3.6	71
231	Epigenetic regulation of metallothionein-i gene expression: Differential regulation of methylated and unmethylated promoters by DNA methyltransferases and methyl CpG binding proteins. <i>Journal of Cellular Biochemistry</i> , 2006, 97, 1300-1316.	1.2	43
232	Chromosome organization and gene control: It is difficult to see the picture when you are inside the frame. <i>Journal of Cellular Biochemistry</i> , 2006, 99, 23-34.	1.2	9
233	A role for endogenous reverse transcriptase in tumorigenesis and as a target in differentiating cancer therapy. <i>Genes Chromosomes and Cancer</i> , 2006, 45, 1-10.	1.5	48
234	Targeting epigenetic abnormalities with histone deacetylase inhibitors. <i>Cancer</i> , 2006, 107, 832-840.	2.0	39
235	Epigenetic inactivation of MCJ (DNAJD1) in malignant paediatric brain tumours. <i>International Journal of Cancer</i> , 2006, 118, 346-352.	2.3	57
236	SPAN-Xb expression in myeloma cells is dependent on promoter hypomethylation and can be upregulated pharmacologically. <i>International Journal of Cancer</i> , 2006, 118, 1436-1444.	2.3	27
237	Analysis of genes upregulated by the demethylating agent 5-aza-2'-deoxycytidine in gastric cancer cell lines. <i>International Journal of Cancer</i> , 2006, 119, 1616-1622.	2.3	30
238	Targeting histone deacetylase in cancer therapy. <i>Medicinal Research Reviews</i> , 2006, 26, 397-413.	5.0	218
239	Loss of DNA methylation and histone H4 lysine 20 trimethylation in human breast cancer cells is associated with aberrant expression of DNA methyltransferase 1, Suv4-20h2 histone methyltransferase and methyl-binding proteins. <i>Cancer Biology and Therapy</i> , 2006, 5, 65-70.	1.5	138
240	MicroRNAs: A New Insight into Cancer Genome. <i>Cell Cycle</i> , 2006, 5, 2216-2219.	1.3	32
241	The Synergistic Effect of 5-Aza-2'-Deoxycytidine and 5-Fluorouracil on Drug-Resistant Tumors. <i>Oncology</i> , 2006, 71, 437-445.	0.9	29
242	Genes underlying common complex diseases. <i>International Journal of Epidemiology</i> , 2006, 35, 490-491.	0.9	1
243	Maternal smoking during pregnancy and offspring IQ. <i>International Journal of Epidemiology</i> , 2006, 35, 491-491.	0.9	2
244	Accuracy of DNA methylation pattern preservation by the Dnmt1 methyltransferase. <i>Nucleic Acids Research</i> , 2006, 34, 1182-1188.	6.5	186
245	Advances in the Discovery of cis-Regulatory Elements. <i>Current Bioinformatics</i> , 2006, 1, 321-336.	0.7	10

#	ARTICLE	IF	CITATIONS
246	Step into the Groove: Engineered Transcription Factors as Modulators of Gene Expression. <i>Advances in Genetics</i> , 2006, 56, 131-161.	0.8	12
247	Gamete imprinting: setting epigenetic patterns for the next generation. <i>Reproduction, Fertility and Development</i> , 2006, 18, 63.	0.1	113
248	Knowledge of Epigenetic Influence for Prostate Cancer Therapy. <i>Current Cancer Drug Targets</i> , 2006, 6, 533-551.	0.8	7
249	Biochemical Mechanisms of New Molecular Entities (NMEs) Approved by United States FDA During 2001-2004: Mechanisms Leading to Optimal Efficacy and Safety. <i>Current Topics in Medicinal Chemistry</i> , 2006, 6, 461-478.	1.0	88
250	Histone deacetylase inhibitors and paclitaxel cause synergistic effects on apoptosis and microtubule stabilization in papillary serous endometrial cancer cells. <i>Molecular Cancer Therapeutics</i> , 2006, 5, 2767-2776.	1.9	135
251	Distinct Gene Expression Profiles in Immortalized Human Urothelial Cells Exposed to Inorganic Arsenite and Its Methylated Trivalent Metabolites. <i>Environmental Health Perspectives</i> , 2006, 114, 394-403.	2.8	49
252	Aberrant Promoter Methylation of the ABCG2 Gene in Renal Carcinoma. <i>Molecular and Cellular Biology</i> , 2006, 26, 8572-8585.	1.1	116
253	The Epigenetic Face of Systemic Lupus Erythematosus. <i>Journal of Immunology</i> , 2006, 176, 7143-7147.	0.4	203
254	MALDI-MS. , 2006, , 1009-1009.		0
255	MALDI. , 2006, , 1009-1009.		0
256	Is Intravenous Arsenic Trioxide a Useful Therapy in Myelodysplastic Syndromes?. <i>Journal of Clinical Oncology</i> , 2006, 24, 2414-2416.	0.8	1
257	Sequential Valproic Acid/All-trans Retinoic Acid Treatment Reprograms Differentiation in Refractory and High-Risk Acute Myeloid Leukemia. <i>Cancer Research</i> , 2006, 66, 8903-8911.	0.4	125
258	Chromatin remodelling and chromosome damage distribution. <i>Human and Experimental Toxicology</i> , 2006, 25, 539-545.	1.1	14
259	Do we need more twin studies? The Healthy Twin Study, Korea. <i>International Journal of Epidemiology</i> , 2006, 35, 488-490.	0.9	20
260	Multiple epigenetic maintenance factors implicated by the loss of Mll2 in mouse development. <i>Development (Cambridge)</i> , 2006, 133, 1423-1432.	1.2	245
261	Epigenetic Silencing of the PTEN Gene in Melanoma. <i>Cancer Research</i> , 2006, 66, 6546-6552.	0.4	262
262	Post-weaning diet affects genomic imprinting at the insulin-like growth factor 2 (Igf2) locus. <i>Human Molecular Genetics</i> , 2006, 15, 705-716.	1.4	324
264	Motor Proteins. , 2006, , 1188-1188.		0

#	ARTICLE	IF	CITATIONS
265	An oligonucleotide microarray for mouse imprinted genes profiling. <i>Cytogenetic and Genome Research</i> , 2006, 113, 253-261.	0.6	5
266	Cyclophilin A Protects Peg3 from Hypermethylation and Inactive Histone Modification. <i>Journal of Biological Chemistry</i> , 2006, 281, 39081-39087.	1.6	17
267	International Union of Pharmacology. LX. Retinoic Acid Receptors. <i>Pharmacological Reviews</i> , 2006, 58, 712-725.	7.1	369
268	Epigenetic Therapies of Cancer. <i>Current Cancer Therapy Reviews</i> , 2006, 2, 127-135.	0.2	2
269	EPHB4 and Survival of Colorectal Cancer Patients. <i>Cancer Research</i> , 2006, 66, 8943-8948.	0.4	80
270	Mutations in DNA methyltransferase DNMT3B in ICF syndrome affect its regulation by DNMT3L. <i>Human Molecular Genetics</i> , 2006, 15, 1375-1385.	1.4	52
272	Epigenetic Activation of Tumor Suppressor MicroRNAs in Human Cancer Cells. <i>Cell Cycle</i> , 2006, 5, 2220-2222.	1.3	266
273	Multidimensional NMR Spectroscopy. , 2006, , 1204-1208.		1
274	A Single Nucleotide Polymorphism Chip-Based Method for Combined Genetic and Epigenetic Profiling: Validation in Decitabine Therapy and Tumor/Normal Comparisons. <i>Cancer Research</i> , 2006, 66, 3443-3451.	0.4	57
275	Changing Images of the Gene. <i>Advances in Genetics</i> , 2006, 56, 53-100.	0.8	8
276	A Family of Human Zinc Finger Proteins That Bind Methylated DNA and Repress Transcription. <i>Molecular and Cellular Biology</i> , 2006, 26, 169-181.	1.1	278
277	Mitotic Recombination. , 2006, , 1135-1140.		3
278	Microsatellite/Microsatellite Marker. , 2006, , 1115-1115.		0
279	Characterisation of the GRAF gene promoter and its methylation in patients with acute myeloid leukaemia and myelodysplastic syndrome. <i>British Journal of Cancer</i> , 2006, 94, 323-332.	2.9	21
280	Molecular Dynamics Simulations in Drug Design. , 2006, , 1153-1160.		5
281	Prognostic DNA Methylation Biomarkers in Ovarian Cancer. <i>Clinical Cancer Research</i> , 2006, 12, 2788-2794.	3.2	148
282	Endocrine Disruptor Vinclozolin Induced Epigenetic Transgenerational Adult-Onset Disease. <i>Endocrinology</i> , 2006, 147, 5515-5523.	1.4	508
283	MicroRNA expression signatures accurately discriminate acute lymphoblastic leukemia from acute myeloid leukemia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 19971-19976.	3.3	435



#	ARTICLE	IF	CITATIONS
284	DNA Methyltransferase Inhibitors Coordinately Induce Expression of the Human Reelin and Glutamic Acid Decarboxylase 67 Genes. <i>Molecular Pharmacology</i> , 2007, 71, 644-653.	1.0	148
285	DNA Methylation as a Therapeutic Target in Cancer: Fig. 1.. <i>Clinical Cancer Research</i> , 2007, 13, 1634-1637.	3.2	282
286	Epigenetics and cancer: towards an evaluation of the impact of environmental and dietary factors. <i>Mutagenesis</i> , 2007, 22, 91-103.	1.0	307
287	Homeobox gene methylation in lung cancer studied by genome-wide analysis with a microarray-based methylated CpG island recovery assay. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 5527-5532.	3.3	260
288	Phase I and Pharmacodynamic Trial of the DNA Methyltransferase Inhibitor Decitabine and Carboplatin in Solid Tumors. <i>Journal of Clinical Oncology</i> , 2007, 25, 4603-4609.	0.8	224
289	Association between DNA Methylation and Shortened Survival in Patients with Advanced Colorectal Cancer Treated with 5-Fluorouracil-Based Chemotherapy. <i>Clinical Cancer Research</i> , 2007, 13, 6093-6098.	3.2	164
290	Estrogen-Induced Rat Breast Carcinogenesis is Characterized by Alterations in DNA Methylation, Histone Modifications, and Aberrant microRNA Expression. <i>Cell Cycle</i> , 2007, 6, 2010-2018.	1.3	106
291	Coordinated change of a ratio of methylated H3-lysine 4 or acetylated H3 to acetylated H4 and DNA methylation is associated with tissue-specific gene expression in cloned pig. <i>Experimental and Molecular Medicine</i> , 2007, 39, 84-96.	3.2	17
292	Differential promoter methylation may be a key molecular mechanism in regulating BubR1 expression in cancer cells. <i>Experimental and Molecular Medicine</i> , 2007, 39, 195-204.	3.2	41
293	Comparing the DNA Hypermethylome with Gene Mutations in Human Colorectal Cancer. <i>PLoS Genetics</i> , 2007, 3, e157.	1.5	307
294	Chimeric DNA methyltransferases target DNA methylation to specific DNA sequences and repress expression of target genes. <i>Nucleic Acids Research</i> , 2007, 35, 100-112.	6.5	126
296	Phosphorylation of Serine-515 Activates the Mammalian Maintenance Methyltransferase Dnmt1. <i>Epigenetics</i> , 2007, 2, 155-160.	1.3	36
297	EHA Scientific Workshop Report: The Role of Epigenetics in Hematological Malignancies. <i>Epigenetics</i> , 2007, 2, 71-79.	1.3	10
298	Epigenetic inactivation of protein kinase D1 in gastric cancer and its role in gastric cancer cell migration and invasion. <i>Carcinogenesis</i> , 2007, 29, 629-637.	1.3	84
299	CpG islands: their potential as biomarkers for cancer. <i>Expert Review of Molecular Diagnostics</i> , 2007, 7, 519-531.	1.5	55
300	5-Aza-2-Deoxycytidine Delays Androgen-Independent Disease and Improves Survival in the Transgenic Adenocarcinoma of the Mouse Prostate Mouse Model of Prostate Cancer. <i>Clinical Cancer Research</i> , 2007, 13, 2136-2143.	3.2	49
301	Inhibition of Histone Deacetylase Activity Promotes Invasion of Human Cancer Cells through Activation of Urokinase Plasminogen Activator. <i>Journal of Biological Chemistry</i> , 2007, 282, 35594-35603.	1.6	47
302	Nasal natural killer/T-cell lymphoma and its association with type "I"/Xhol loss strain Epstein-Barr virus in Chile. <i>Journal of Clinical Pathology</i> , 2007, 60, 656-660.	1.0	19

#	ARTICLE	IF	CITATIONS
303	Acute Myeloid Leukemia and Myelodysplastic Syndromes in Older Patients. <i>Journal of Clinical Oncology</i> , 2007, 25, 1908-1915.	0.8	226
304	High-Resolution Melting for Accurate Assessment of DNA Methylation. <i>Clinical Chemistry</i> , 2007, 53, 1877-1878.	1.5	19
305	Inhibition of Histone Deacetylation Does Not Block Resilencing of p16 after 5-Aza-2â€²-Deoxycytidine Treatment. <i>Cancer Research</i> , 2007, 67, 346-353.	0.4	62
306	Karyometry of the Colonic Mucosa. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2007, 16, 2704-2716.	1.1	25
307	Frequent Inactivation of <i>RAMP2</i> , <i>EFEMP1</i> and <i>Dutt1</i> in Lung Cancer by Promoter Hypermethylation. <i>Clinical Cancer Research</i> , 2007, 13, 4336-4344.	3.2	81
308	An epigenetic analysis of SOD1 and VEGF in ALS. <i>Amyotrophic Lateral Sclerosis and Other Motor Neuron Disorders</i> , 2007, 8, 83-86.	2.3	49
309	The Friedreich ataxia GAA repeat expansion mutation induces comparable epigenetic changes in human and transgenic mouse brain and heart tissues. <i>Human Molecular Genetics</i> , 2007, 17, 735-746.	1.4	229
310	Global DNA methylation measured by liquid chromatography-tandem mass spectrometry: analytical technique, reference values and determinants in healthy subjects. <i>Clinical Chemistry and Laboratory Medicine</i> , 2007, 45, 903-11.	1.4	90
311	Epigenetics and MicroRNAs. <i>Pediatric Research</i> , 2007, 61, 17R-23R.	1.1	94
312	Association Between Hypermethylated Tumor and Paired Surgical Margins in Head and Neck Squamous Cell Carcinomas. <i>Clinical Cancer Research</i> , 2007, 13, 5089-5094.	3.2	63
313	Epigenetic profiling of multidrug-resistant human MCF-7 breast adenocarcinoma cells reveals novel hyper- and hypomethylated targets. <i>Molecular Cancer Therapeutics</i> , 2007, 6, 1089-1098.	1.9	107
314	Association of Dnmt3a and thymine DNA glycosylase links DNA methylation with base-excision repair. <i>Nucleic Acids Research</i> , 2007, 35, 390-400.	6.5	122
315	Epigenetic regulation of integrin-linked kinase expression depending on adhesion of gastric carcinoma cells. <i>American Journal of Physiology - Cell Physiology</i> , 2007, 292, C857-C866.	2.1	14
316	Tumor suppressor Prdx1 is a prognostic factor in esophageal squamous cell carcinoma patients. <i>Oncology Reports</i> , 2007, 18, 867.	1.2	17
317	Transgenerational inheritance of the insulin-resistant phenotype in embryo-transferred intrauterine growth-restricted adult female rat offspring. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2007, 292, E1270-E1279.	1.8	78
318	Toxicogenomic Analyses of Genetic Susceptibility to Mammary Gland Carcinogenesis in Rodents: Implications for Human Breast Cancer. <i>Breast Disease</i> , 2007, 28, 87-105.	0.4	10
319	Reliable Safety Assessment Depends on Species Differences in Epigenetic Mechanisms of Gene Regulation. <i>Yakugaku Zasshi</i> , 2007, 127, 481-490.	0.0	2
320	Heterochromatic gene repression of the retinoic acid pathway in acute myeloid leukemia. <i>Blood</i> , 2007, 109, 4432-4440.	0.6	82

#	ARTICLE	IF	CITATIONS
321	Symptoms of Allergic Rhinitis in Women during Early Pregnancy Are Associated with Higher Prevalence of Allergic Rhinitis in Their Offspring. <i>Allergology International</i> , 2007, 56, 411-417.	1.4	12
322	Methyl Deficiency, Alterations in Global Histone Modifications, and Carcinogenesis. <i>Journal of Nutrition</i> , 2007, 137, 216S-222S.	1.3	102
323	Fuzzy Approaches for the Analysis CpG Island Methylation Patterns. , 0, , 141-165.		0
324	An Epigenetically Derived Monoclonal Origin for Recurrent Respiratory Papillomatosis. <i>JAMA Otolaryngology</i> , 2007, 133, 684.	1.5	24
325	Neosis - A Parasexual Somatic Reduction Division in Cancer. <i>International Journal of Human Genetics</i> , 2007, 7, 29-48.	0.1	14
326	Choline. <i>Nutrition Today</i> , 2007, 42, 181-186.	0.6	83
327	Histone deacetylase inhibitors for epigenetic therapy of cancer. <i>Anti-Cancer Drugs</i> , 2007, 18, 363-370.	0.7	47
328	Histone Deacetylase Inhibitors: Biology and Mechanism of Action. <i>Cancer Journal (Sudbury, Mass )</i> , 2007, 13, 23-29.	1.0	96
329	Aberrant epigenetics in rheumatoid arthritis and osteoarthritis. <i>Future Rheumatology</i> , 2007, 2, 257-260.	0.2	1
330	Methods of DNA methylation analysis. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2007, 10, 576-581.	1.3	109
331	Human Papilloma Viruses: Realities and Perspectives. <i>Biotechnology and Biotechnological Equipment</i> , 2007, 21, 137-144.	0.5	3
332	Cancer as a Manifestation of Aberrant Chromatin Structure. <i>Cancer Journal (Sudbury, Mass )</i> , 2007, 13, 3-8.	1.0	100
333	Targeting Aberrant Chromatin Structure in Colorectal Carcinomas. <i>Cancer Journal (Sudbury, Mass )</i> , 2007, 13, 49-55.	1.0	20
334	A ligation assay for multiplex analysis of CpG methylation using bisulfite-treated DNA. <i>Nucleic Acids Research</i> , 2007, 35, e144-e144.	6.5	26
335	DNA methylation markers of surfactant proteins in lung cancer. <i>International Journal of Oncology</i> , 2007, , .	1.4	16
336	Molecular targets in gynaecological cancers. <i>Pathology</i> , 2007, 39, 26-45.	0.3	13
337	Analysis of tissue-specific differentially methylated regions (TDMs) in humans. <i>Genomics</i> , 2007, 89, 326-337.	1.3	82
338	Evidence that Tumor Necrosis Factor-Related Apoptosis-Inducing Ligand Induction by 5-Aza-2-Deoxycytidine Sensitizes Human Breast Cancer Cells to Adriamycin. <i>Cancer Research</i> , 2007, 67, 1203-1211.	0.4	52

#	ARTICLE	IF	CITATIONS
339	The new frontier in cancer research: Deciphering cancer epigenetics. International Journal of Biochemistry and Cell Biology, 2007, 39, 1450-1461.	1.2	17
340	Larger numbers of silenced genes in cancer cell lines with increased de novo methylation of scattered CpG sites. Cancer Letters, 2007, 249, 178-187.	3.2	16
341	Increased expression of DNA methyltransferase 1 (DNMT1) protein in uterine cervix squamous cell carcinoma and its precursor lesion. Cancer Letters, 2007, 251, 211-219.	3.2	47
342	The Evolving Role of Structural and Functional Imaging in Assessment of Age-Related Changes in the Body. Seminars in Nuclear Medicine, 2007, 37, 64-68.	2.5	6
343	Mendelian Inheritance in Man and Its Online Version, OMIM. American Journal of Human Genetics, 2007, 80, 588-604.	2.6	624
344	Are metallothionein genes silenced in ALS?. Toxicology Letters, 2007, 168, 83-87.	0.4	29
345	Relational Analysis of CpG Islands Methylation and Gene Expression in Human Lymphomas Using Possibilistic C-Means Clustering and Modified Cluster Fuzzy Density. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2007, 4, 176-189.	1.9	5
347	Integrated Biochips for DNA Analysis. , 2007, , .		6
348	Sleeping Beauty Transposase Has an Affinity for Heterochromatin Conformation. Molecular and Cellular Biology, 2007, 27, 1665-1676.	1.1	46
349	Epigenetics and MicroRNAs. Pediatric Research, 2007, 61, 24R-29R.	1.1	561
350	The Molecular Neurobiology of Depression. Psychiatric Clinics of North America, 2007, 30, 1-11.	0.7	123
351	Colorectal cancer: a model for epigenetic tumorigenesis. Gut, 2007, 56, 140-148.	6.1	146
352	Myelodysplastic syndromes, aging, and age: Correlations, common mechanisms, and clinical implications. Leukemia and Lymphoma, 2007, 48, 1900-1909.	0.6	21
353	Long-Range Structural and Dynamical Changes Induced by Cofactor Binding in DNA Methyltransferase M.Hhal. Biochemistry, 2007, 46, 7261-7268.	1.2	13
354	Genetic and epigenetic alterations as biomarkers for cancer detection, diagnosis and prognosis. Molecular Oncology, 2007, 1, 26-41.	2.1	206
355	&lt;i>Helicobacter pylori&/i> and Epigenetic Mechanisms Underlying Gastric Carcinogenesis. Digestive Diseases, 2007, 25, 225-229.	0.8	43
356	Nutrition and Genome Health. Forum of Nutrition, 2007, 60, 49-65.	3.7	21
357	Interactions between genes and the environment. Epigenetics in allergy. Allergologia Et Immunopathologia, 2007, 35, 254-258.	1.0	22

#	ARTICLE	IF	CITATIONS
358	Targeted agents in AML: much more to do. <i>Best Practice and Research in Clinical Haematology</i> , 2007, 20, 39-48.	0.7	16
359	Epigenetic Regulation of Neural Gene Expression and Neuronal Function. <i>Pediatric Research</i> , 2007, 61, 58R-63R.	1.1	229
360	Novel Targeted Pro-Apoptotic Agents for the Treatment of Prostate Cancer. <i>Journal of Urology</i> , 2007, 178, 1846-1854.	0.2	12
361	Colorectal Cancer Epigenetics: The Role of Environmental Factors and the Search for Molecular Biomarkers. <i>Journal of Environmental Science and Health, Part C: Environmental Carcinogenesis and Ecotoxicology Reviews</i> , 2007, 25, 101-154.	2.9	18
362	Earlier Mother's Age at Menarche Predicts Rapid Infancy Growth and Childhood Obesity. <i>PLoS Medicine</i> , 2007, 4, e132.	3.9	121
363	Epigenetic targets in the diagnosis and treatment of prostate cancer. <i>International Braz J Urol: Official Journal of the Brazilian Society of Urology</i> , 2007, 33, 11-18.	0.7	21
365	Genetic Studies of Colorectal Cancer. <i>Critical Reviews in Oncogenesis</i> , 2007, 13, 185-187.	0.2	0
367	Decreased expression of DICER1 in gastric cancer. <i>Chinese Medical Journal</i> , 2007, 120, 2099-2104.	0.9	20
368	Reversible Inactivation of the CG Specific Sssl DNA (Cytosine-C5)-Methyltransferase with a Photocleavable Protecting Group. <i>ChemBioChem</i> , 2007, 8, 202-207.	1.3	25
369	New saliva DNA collection method compared to buccal cell collection techniques for epidemiological studies. <i>American Journal of Human Biology</i> , 2007, 19, 319-326.	0.8	151
370	Lack of association between Rh status, Rh immune globulin in pregnancy and autism. <i>American Journal of Medical Genetics, Part A</i> , 2007, 143A, 1397-1407.	0.7	27
371	Oral decitabine reactivates expression of the methylated $\beta$ -globin gene in <i>Papio anubis</i> . <i>American Journal of Hematology</i> , 2007, 82, 981-985.	2.0	39
372	MicroRNA epigenetic alterations in human cancer: One step forward in diagnosis and treatment. <i>International Journal of Cancer</i> , 2008, 122, 963-968.	2.3	84
373	Deciphering the underlying genetic and epigenetic events leading to gastric carcinogenesis. <i>Journal of Cellular Physiology</i> , 2007, 211, 287-295.	2.0	95
374	Defective DNA methylation and CD70 overexpression in CD4+ T cells in MRL/lpr lupus-prone mice. <i>European Journal of Immunology</i> , 2007, 37, 1407-1413.	1.6	64
375	Epigenetic combination therapy as a tumor-selective treatment approach for hepatocellular carcinoma. <i>Cancer</i> , 2007, 109, 2132-2141.	2.0	97
376	Epigenetic regulation of airway inflammation. <i>Current Opinion in Immunology</i> , 2007, 19, 694-700.	2.4	190
377	Modulation by decitabine of gene expression and growth of osteosarcoma U2OS cells in vitro and xenografts: Identification of apoptotic genes as targets for demethylation. <i>Cancer Cell International</i> , 2007, 7, 14.	1.8	48

#	ARTICLE	IF	CITATIONS
378	Detectable minimal residual disease before allogeneic hematopoietic stem cell transplantation predicts extremely poor prognosis in children with acute lymphoblastic leukemia. <i>Pediatric Blood and Cancer</i> , 2007, 48, 93-100.	0.8	86
379	Frequent methylation-associated silencing of a candidate tumor-suppressor, CRABP1, in esophageal squamous-cell carcinoma. <i>Oncogene</i> , 2007, 26, 6456-6468.	2.6	67
380	MOZ and MORF, two large MYSTic HATs in normal and cancer stem cells. <i>Oncogene</i> , 2007, 26, 5408-5419.	2.6	132
381	Distribution, silencing potential and evolutionary impact of promoter DNA methylation in the human genome. <i>Nature Genetics</i> , 2007, 39, 457-466.	9.4	1,922
382	RAR and RXR modulation in cancer and metabolic disease. <i>Nature Reviews Drug Discovery</i> , 2007, 6, 793-810.	21.5	450
383	Cancer epigenomics: DNA methylomes and histone-modification maps. <i>Nature Reviews Genetics</i> , 2007, 8, 286-298.	7.7	1,916
384	Immunoepigenetics: the unseen side of cancer immunoediting. <i>Immunology and Cell Biology</i> , 2007, 85, 55-59.	1.0	21
385	Epigenetic alterations complement mutation of JAK2 tyrosine kinase in patients with BCR/ABL-negative myeloproliferative disorders. <i>Leukemia</i> , 2007, 21, 505-510.	3.3	79
386	HDAC inhibitors as anti-inflammatory agents. <i>British Journal of Pharmacology</i> , 2007, 150, 829-831.	2.7	193
387	Report on the IASO Stock Conference 2006: early and lifelong environmental epigenomic programming of metabolic syndrome, obesity and type II diabetes. <i>Obesity Reviews</i> , 2007, 8, 487-502.	3.1	78
388	Induction of MHC class I molecule cell surface expression and epigenetic activation of antigen-processing machinery components in a murine model for human papilloma virus 16-associated tumours. <i>Immunology</i> , 2008, 123, 218-227.	2.0	66
389	Suppression of lipopolysaccharide- and tumour necrosis factor- $\alpha$ -induced interleukin (IL)-8 expression by glucocorticoids involves changes in IL-8 promoter acetylation. <i>Clinical and Experimental Immunology</i> , 2007, 150, 151-157.	1.1	31
390	Epigenetic changes in cancer. <i>Apmis</i> , 2007, 115, 1039-1059.	0.9	320
391	The functional modulation of epigenetic regulators by alternative splicing. <i>BMC Genomics</i> , 2007, 8, 252.	1.2	14
392	Dual targeting of epigenetic therapy in cancer. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2007, 1775, 76-91.	3.3	85
393	Role of Nucleosomal Occupancy in the Epigenetic Silencing of the MLH1 CpG Island. <i>Cancer Cell</i> , 2007, 12, 432-444.	7.7	189
394	A new paradigm in toxicology and teratology: Altering gene activity in the absence of DNA sequence variation. <i>Reproductive Toxicology</i> , 2007, 24, 20-30.	1.3	70
395	Mechanisms of Disease: Epigenesis. <i>Seminars in Pediatric Neurology</i> , 2007, 14, 7-14.	1.0	39

#	ARTICLE	IF	CITATIONS
396	Wnt inhibitory factor inhibits lung cancer cell growth. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2007, 133, 733-737.	0.4	55
398	Epigenetic Epidemiology of the Developmental Origins Hypothesis. <i>Annual Review of Nutrition</i> , 2007, 27, 363-388.	4.3	746
399	Epigenetic Regulation of CD20 Protein Expression in a Novel B-Cell Lymphoma Cell Line, RRBL1, Established from a Patient Treated Repeatedly with Rituximab-Containing Chemotherapy. <i>International Journal of Hematology</i> , 2007, 86, 49-57.	0.7	43
400	Differential role of epigenetic modulators in malignant and normal stem cells: a novel tool in preclinical in vitro toxicology and clinical therapy. <i>Archives of Toxicology</i> , 2007, 81, 533-544.	1.9	15
401	Application of DNA methyltransferases in targeted DNA methylation. <i>Applied Microbiology and Biotechnology</i> , 2007, 75, 1233-1240.	1.7	29
402	Dietary fat, genes and insulin sensitivity. <i>Journal of Molecular Medicine</i> , 2007, 85, 213-226.	1.7	31
403	Epigenetic mechanisms in the context of complex diseases. <i>Cellular and Molecular Life Sciences</i> , 2007, 64, 1531-1538.	2.4	157
404	Epigenetics and neural stem cell commitment. <i>Neuroscience Bulletin</i> , 2007, 23, 241-248.	1.5	8
405	Methylated DNA sequences for early cancer detection, molecular classification and chemotherapy response prediction. <i>Clinical and Translational Oncology</i> , 2007, 9, 429-437.	1.2	21
407	The prognostic value of Stathmin-1, S100A2, and SYK proteins in ER-positive primary breast cancer patients treated with adjuvant tamoxifen monotherapy: an immunohistochemical study. <i>Breast Cancer Research and Treatment</i> , 2008, 110, 317-326.	1.1	55
408	A critical analysis of disease-associated DNA polymorphisms in the genes of cattle, goat, sheep, and pig. <i>Mammalian Genome</i> , 2008, 19, 226-245.	1.0	64
409	Suppressing effects of down-regulating DNMT1 and DNMT3b expression on the growth of human cholangiocarcinoma cell line. <i>Journal of Huazhong University of Science and Technology [Medical Sciences]</i> , 2008, 28, 276-280.	1.0	4
410	Histone deacetylase regulation of immune gene expression in tumor cells. <i>Immunologic Research</i> , 2008, 40, 164-178.	1.3	43
411	Epigenetic abnormalities in cardiac hypertrophy and heart failure. <i>Environmental Health and Preventive Medicine</i> , 2008, 13, 25-29.	1.4	14
412	Genome-wide demethylation during neural differentiation of P19 embryonal carcinoma cells. <i>Journal of Human Genetics</i> , 2008, 53, 185-191.	1.1	16
413	Deregulation of histone lysine methyltransferases contributes to oncogenic transformation of human bronchoepithelial cells. <i>Cancer Cell International</i> , 2008, 8, 15.	1.8	129
414	Ovarian cancer plasticity and epigenomics in the acquisition of a stem-like phenotype. <i>Journal of Ovarian Research</i> , 2008, 1, 8.	1.3	29
415	A methyl-deficient diet modifies histone methylation and alters <i>Igf2</i> and <i>H19</i> repression in the prostate. <i>Prostate</i> , 2008, 68, 1187-1195.	1.2	75



#	ARTICLE	IF	CITATIONS
416	Comparative molecular dynamics simulations of histone deacetylase-like protein: Binding modes and free energy analysis to hydroxamic acid inhibitors. <i>Proteins: Structure, Function and Bioinformatics</i> , 2008, 73, 134-149.	1.5	42
417	Chemical regulation of epigenetic modifications: Opportunities for new cancer therapy. <i>Medicinal Research Reviews</i> , 2008, 28, 645-687.	5.0	107
418	Histone deacetylases 1 and 2 are expressed at distinct stages of neuroglial development. <i>Developmental Dynamics</i> , 2008, 237, 2256-2267.	0.8	149
419	Modes of action of the DNA methyltransferase inhibitors azacytidine and decitabine. <i>International Journal of Cancer</i> , 2008, 123, 8-13.	2.3	761
420	Methylation status of a single CpG site in the <i>IL6</i> promoter is related to <i>IL6</i> messenger RNA levels and rheumatoid arthritis. <i>Arthritis and Rheumatism</i> , 2008, 58, 2686-2693.	6.7	310
421	Synthesis of DNA Dumbbell Based Inhibitors for the Human DNA Methyltransferase Dnmt1. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 1515-1518.	7.2	15
423	Potential of reactive oxygen species is a marker for synergistic cytotoxicity of MS-275 and 5-azacytidine in leukemic cells. <i>Leukemia Research</i> , 2008, 32, 771-780.	0.4	56
424	Semenogelin I expression in myeloma cells can be upregulated pharmacologically. <i>Leukemia Research</i> , 2008, 32, 1889-1894.	0.4	12
425	Neural stem cell self-renewal. <i>Critical Reviews in Oncology/Hematology</i> , 2008, 65, 43-53.	2.0	169
426	Analysis of the Substrate Specificity of the Dim-5 Histone Lysine Methyltransferase Using Peptide Arrays. <i>Chemistry and Biology</i> , 2008, 15, 5-11.	6.2	68
427	Cancer Epigenetics: Modifications, Screening, and Therapy. <i>Annual Review of Medicine</i> , 2008, 59, 267-280.	5.0	241
428	Breast cancer diagnostics based on extracellular DNA and RNA circulating in blood. <i>Biochemistry (Moscow) Supplement Series B: Biomedical Chemistry</i> , 2008, 2, 208-213.	0.2	3
429	High frequency of hypermethylation of p14, p15 and p16 in oral pre-cancerous lesions associated with betel-leaf chewing in Sri Lanka. <i>Journal of Oral Pathology and Medicine</i> , 2008, 37, 475-479.	1.4	64
430	Epigenetic Changes in Cancer as Potential Targets for Prophylaxis and Maintenance Therapy. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2008, 103, 389-396.	1.2	26
431	From UVs to Metastases: Modeling Melanoma Initiation and Progression in the Mouse. <i>Journal of Investigative Dermatology</i> , 2008, 128, 2381-2391.	0.3	61
432	Frequent hypermethylation of DBC1 in malignant lymphoproliferative neoplasms. <i>Modern Pathology</i> , 2008, 21, 632-638.	2.9	22
433	Reversal of methylation silencing of Apo2L/TRAIL receptor 1 (DR4) expression overcomes resistance of SK-MEL-3 and SK-MEL-28 melanoma cells to interferons (IFNs) or Apo2L/TRAIL. <i>Oncogene</i> , 2008, 27, 490-498.	2.6	58
434	Epigenetic inactivation of the ERK inhibitor Spry2 in B-cell diffuse lymphomas. <i>Oncogene</i> , 2008, 27, 4969-4972.	2.6	25



#	ARTICLE	IF	CITATIONS
435	HLA antigen changes in malignant cells: epigenetic mechanisms and biologic significance. <i>Oncogene</i> , 2008, 27, 5869-5885.	2.6	356
436	Aberrant DNA methylation associated with bipolar disorder identified from discordant monozygotic twins. <i>Molecular Psychiatry</i> , 2008, 13, 429-441.	4.1	180
437	Methylation of tumor associated genes in tissue and plasma samples from liver disease patients. <i>Experimental and Molecular Pathology</i> , 2008, 85, 96-100.	0.9	61
438	DNA methylation changes in ovarian cancer: Implications for early diagnosis, prognosis and treatment. <i>Gynecologic Oncology</i> , 2008, 109, 129-139.	0.6	175
439	Aberrant allele-specific replication, independent of parental origin, in blood cells of cancer patients. <i>BMC Cancer</i> , 2008, 8, 390.	1.1	16
440	Final checkup of neoplastic DNA replication: Evidence for failure in decision-making at the mitotic cell cycle checkpoint G1/S. <i>Experimental Hematology</i> , 2008, 36, 1403-1416.	0.2	9
441	HDAC-class II specific inhibition involves HDAC proteasome-dependent degradation mediated by RANBP2. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2008, 1783, 2030-2038.	1.9	48
442	New Drugs in Acute Myeloid Leukemia. <i>Seminars in Oncology</i> , 2008, 35, 439-448.	0.8	17
443	What is an epigenetic transgenerational phenotype?. <i>Reproductive Toxicology</i> , 2008, 25, 2-6.	1.3	416
444	Epigenetic drivers and genetic passengers on the road to cancer. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2008, 642, 1-13.	0.4	137
445	Roles of the EZH2 histone methyltransferase in cancer epigenetics. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2008, 647, 21-29.	0.4	740
446	MicroRNAs as targets for antisense-based therapeutics. <i>Expert Opinion on Biological Therapy</i> , 2008, 8, 59-81.	1.4	105
447	Botanicals as epigenetic modulators for mechanisms contributing to development of metabolic syndrome. <i>Metabolism: Clinical and Experimental</i> , 2008, 57, S16-S23.	1.5	41
448	Promoter hypermethylation of the SFRP2 gene is a high-frequent alteration and tumor-specific epigenetic marker in human breast cancer. <i>Molecular Cancer</i> , 2008, 7, 83.	7.9	77
449	Chapter 4 The Role of the Epigenetic Signal, DNA Methylation, in Gene Regulation During Erythroid Development. <i>Current Topics in Developmental Biology</i> , 2008, 82, 85-116.	1.0	23
450	Epigenetic Multiple Ligands: Mixed Histone/Protein Methyltransferase, Acetyltransferase, and Class III Deacetylase (Sirtuin) Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 2279-2290.	2.9	133
451	Epigenetics and T-cell immunity. <i>Autoimmunity</i> , 2008, 41, 245-252.	1.2	75
452	Specificity of protein lysine methyltransferases and methods for detection of lysine methylation of non-histone proteins. <i>Molecular BioSystems</i> , 2008, 4, 1186.	2.9	38

#	ARTICLE	IF	CITATIONS
453	Epigenetic Markers of Ovarian Cancer. , 2008, 622, 35-51.		13
454	Rethinking Periodontal Inflammation. Journal of Periodontology, 2008, 79, 1577-1584.	1.7	206
455	Epigenetic regulation and fetal programming. Best Practice and Research in Clinical Endocrinology and Metabolism, 2008, 22, 1-16.	2.2	129
456	Current Perspectives in microRNAs (miRNA). , 2008, , .		3
457	CpG Island Hypermethylation, miRNAs, and Human Cancer. , 2008, , 367-384.		0
459	Epigenetic Regulation of Gene Expression in the Inflammatory Response and Relevance to Common Diseases. Journal of Periodontology, 2008, 79, 1514-1519.	1.7	186
460	Epigenetics â€“ Chromatin Structure and Rett Syndrome. , 2008, , 859-878.		1
461	TRANSCRIPTION FACTORS AND HUMAN DISEASE. , 2008, , 373-VII.		4
463	Targeted Cancer Therapy. , 2008, , .		11
464	Reactivation of methylation-silenced tumor suppressor gene p16INK4a by nordihydroguaiaretic acid and its implication in G1 cell cycle arrest. Life Sciences, 2008, 82, 247-255.	2.0	28
465	Are there any effects of angiotensin II receptor blockers on postmenopausal osteoporosis?. Medical Hypotheses, 2008, 70, 701-702.	0.8	5
466	Psychosocial factors may act via epigenetic mechanisms in the pathogenesis of mental disorders. Medical Hypotheses, 2008, 70, 700-701.	0.8	14
467	The next innovation cycle in toxicogenomics: Environmental epigenetics. Mutation Research - Reviews in Mutation Research, 2008, 659, 158-165.	2.4	88
468	Chromatin-remodelling mechanisms in cancer. Mutation Research - Reviews in Mutation Research, 2008, 658, 191-214.	2.4	72
469	Epigenetic interplay between histone modifications and DNA methylation in gene silencing. Mutation Research - Reviews in Mutation Research, 2008, 659, 40-48.	2.4	515
470	Immunologic and neurodevelopmental susceptibilities of autism. NeuroToxicology, 2008, 29, 532-545.	1.4	46
471	Epigenetic clues to rheumatoid arthritis. Journal of Autoimmunity, 2008, 30, 12-20.	3.0	76
472	Molecular and cellular mechanisms of memory allocation in neuronetworks. Neurobiology of Learning and Memory, 2008, 89, 285-292.	1.0	75

#	ARTICLE	IF	CITATIONS
473	Maintenance of genomic methylation patterns during preimplantation development requires the somatic form of DNA methyltransferase 1. <i>Developmental Biology</i> , 2008, 313, 335-346.	0.9	128
474	Transgenerational epigenetic programming of the embryonic testis transcriptome. <i>Genomics</i> , 2008, 91, 30-40.	1.3	154
475	Mechanisms of microRNA deregulation in human cancer. <i>Cell Cycle</i> , 2008, 7, 2643-2646.	1.3	293
476	Sensitivity of human prostate cancer cells to chemotherapeutic drugs depends on EndoG expression regulated by promoter methylation. <i>Cancer Letters</i> , 2008, 270, 132-143.	3.2	28
477	Genome health nutrigenomics and nutrigenetics – diagnosis and nutritional treatment of genome damage on an individual basis. <i>Food and Chemical Toxicology</i> , 2008, 46, 1365-1370.	1.8	82
478	Quantitative analysis of human tissue-specific differences in methylation. <i>Biochemical and Biophysical Research Communications</i> , 2008, 376, 658-664.	1.0	42
479	Altered microRNA expression patterns in irradiated hematopoietic tissues suggest a sex-specific protective mechanism. <i>Biochemical and Biophysical Research Communications</i> , 2008, 377, 41-45.	1.0	73
480	Epigenetic Treatment of Myelodysplastic Syndromes and Acute Myeloid Leukemias. <i>Current Medicinal Chemistry</i> , 2008, 15, 1274-1287.	1.2	42
481	Epigenetic alterations due to diet and <i>Helicobacter pylori</i> infection in gastric carcinogenesis. <i>Expert Review of Gastroenterology and Hepatology</i> , 2008, 2, 243-248.	1.4	26
482	Molecular Genetics of Pancreatic Cancer. , 2008, , 27-39.		4
483	Genome-Wide Studies in Thyroid Neoplasia. <i>Endocrinology and Metabolism Clinics of North America</i> , 2008, 37, 311-331.	1.2	9
484	Molecular Pathology of the Genitourinary Tract: Prostate and Bladder. <i>Surgical Pathology Clinics</i> , 2008, 1, 211-236.	0.7	0
485	5-Aza-2-deoxycytidine Restores Proapoptotic Function of p53 in Cancer Cells Resistant to p53-induced Apoptosis. <i>Cancer Investigation</i> , 2008, 26, 680-688.	0.6	11
486	Myelodysplastic syndromes. <i>Blood</i> , 2008, 111, 4841-4851.	0.6	334
487	Epigenetic regulation in male germ cells. <i>Reproduction</i> , 2008, 136, 131-146.	1.1	101
488	Abnormal DNA Methylation of <i>CD133</i> in Colorectal and Glioblastoma Tumors. <i>Cancer Research</i> , 2008, 68, 8094-8103.	0.4	153
489	DNA Methylation and Structural and Functional Bimodality of Vertebrate Promoters. <i>Molecular Biology and Evolution</i> , 2008, 25, 1602-1608.	3.5	90
490	Backbone Dynamics in the DNA <i>Hha</i> I Protein Binding Site. <i>Journal of the American Chemical Society</i> , 2008, 130, 9072-9079.	6.6	14

#	ARTICLE	IF	CITATIONS
491	Genome-wide mapping and characterization of hypomethylated sites in human tissues and breast cancer cell lines. <i>Genome Research</i> , 2008, 18, 791-801.	2.4	60
492	Defining a Chromatin Pattern that Characterizes DNA-Hypermethylated Genes in Colon Cancer Cells. <i>Cancer Research</i> , 2008, 68, 5753-5759.	0.4	109
493	Transgenerational epigenetic effects of the endocrine disruptor vinclozolin on pregnancies and female adult onset disease. <i>Reproduction</i> , 2008, 135, 713-721.	1.1	164
495	Cannabis and lung cancer. <i>European Respiratory Journal</i> , 2008, 32, 238-239.	3.1	1
496	Methylation Status of Promoter-Associated CpG Islands in Primary Acute Myeloid Leukemia. <i>Acta Haematologica</i> , 2008, 120, 207-210.	0.7	1
497	<i>p53-Inducible Ribonucleotide Reductase (p53R2/RRM2B)</i> Is a DNA Hypomethylation-Independent Decitabine Gene Target That Correlates with Clinical Response in Myelodysplastic Syndrome/Acute Myelogenous Leukemia. <i>Cancer Research</i> , 2008, 68, 9358-9366.	0.4	46
498	The early expressed HIV-1 genes regulate DNMT1 expression. <i>Epigenetics</i> , 2008, 3, 149-156.	1.3	49
499	The multifaceted small RNAs. <i>RNA Biology</i> , 2008, 5, 61-64.	1.5	19
500	Individual Epigenetic Variation: When, Why, and So What?. Nestle Nutrition Workshop Series Paediatric Programme, 2008, 62, 141-155.	1.5	8
501	Epigenetics of cancer progression. <i>Pharmacogenomics</i> , 2008, 9, 215-234.	0.6	79
502	Role of Epigenetics in Mental Disorders. <i>Australian and New Zealand Journal of Psychiatry</i> , 2008, 42, 97-107.	1.3	19
503	Genome-Wide Analysis in a Murine <i>Dnmt1</i> Knockdown Model Identifies Epigenetically Silenced Genes in Primary Human Pituitary Tumors. <i>Molecular Cancer Research</i> , 2008, 6, 1567-1574.	1.5	43
504	Brain Chromatin Remodeling: A Novel Mechanism of Alcoholism. <i>Journal of Neuroscience</i> , 2008, 28, 3729-3737.	1.7	345
505	Genome-health nutrigenomics and nutrigenetics: nutritional requirements or "nutriomes" for chromosomal stability and telomere maintenance at the individual level. <i>Proceedings of the Nutrition Society</i> , 2008, 67, 146-156.	0.4	72
506	Competitive or noncompetitive, that's the question: research toward histone deacetylase inhibitors. <i>Molecular Cancer Therapeutics</i> , 2008, 7, 1007-1012.	1.9	27
507	Epigenetic Down-Regulation and Suppressive Role of <i>DCBLD2</i> in Gastric Cancer Cell Proliferation and Invasion. <i>Molecular Cancer Research</i> , 2008, 6, 222-230.	1.5	51
508	An efficient and exact stochastic simulation method to analyze rare events in biochemical systems. <i>Journal of Chemical Physics</i> , 2008, 129, 165101.	1.2	57
510	<i>Drosophila</i> Histone Deacetylase-3 Controls Imaginal Disc Size through Suppression of Apoptosis. <i>PLoS Genetics</i> , 2008, 4, e1000009.	1.5	25

#	ARTICLE	IF	CITATIONS
511	Genome-wide tracking of unmethylated DNA Alu repeats in normal and cancer cells. <i>Nucleic Acids Research</i> , 2008, 36, 770-784.	6.5	94
512	Aberrant DNA Methylation of <i>P16</i> , <i>MGMT</i> , and <i>hMLH1</i> Genes in Combination with <i>MTHFR</i> C677T Genetic Polymorphism in Esophageal Squamous Cell Carcinoma. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2008, 17, 118-125.	1.1	72
513	Bisulfite sequencing Data Presentation and Compilation (BDPC) web server--a useful tool for DNA methylation analysis. <i>Nucleic Acids Research</i> , 2008, 36, e34-e34.	6.5	56
514	Epigenetic Aberrations and Targeted Epigenetic Therapy of Esophageal Cancer. <i>Current Cancer Drug Targets</i> , 2008, 8, 509-521.	0.8	17
515	RNA and transcriptional modulation of gene expression. <i>Cell Cycle</i> , 2008, 7, 602-607.	1.3	123
516	Germ-line mutations, DNA damage, and global hypermethylation in mice exposed to particulate air pollution in an urban/industrial location. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 605-610.	3.3	271
517	Les enjeux à venir pour la criminologie clinique: approche développementale et intégration avec les sciences biomédicales. <i>Criminologie</i> , 0, 41, 47-82.	0.3	4
518	Epigenetics and Cancer DNA Methylation. , 2008, , 3-16.		1
519	Chromatin Remodeling Agents for Cancer Therapy. <i>Reviews on Recent Clinical Trials</i> , 2008, 3, 192-203.	0.4	19
520	The human genome, nutrigenomics and nutrigenetics. <i>Innovation: Management, Policy and Practice</i> , 2008, 10, 43-52.	2.6	3
521	Histone Deacetylase Inhibitors: New Hope for Rheumatoid Arthritis?. <i>Current Pharmaceutical Design</i> , 2008, 14, 803-820.	0.9	59
522	Methyl-DNA immunoprecipitation (MeDIP): Hunting down the DNA methylome. <i>BioTechniques</i> , 2008, 44, 35-43.	0.8	175
523	Transgenerational Epigenetic Programming of the Brain Transcriptome and Anxiety Behavior. <i>PLoS ONE</i> , 2008, 3, e3745.	1.1	257
524	Synthesis and Antiproliferative Activities of 5-Azacytidine Analogues in Human Leukemia Cells. <i>Molecules</i> , 2008, 13, 1487-1500.	1.7	4
525	The Broad Spectrum HDAC Inhibitor PCI-24781 Induces Caspase- and ROS-Dependent Apoptosis and is Synergistic with Bortezomib in Lymphoma. <i>Nature Precedings</i> , 2008, , .	0.1	0
526	Integrating epigenomics into pharmacogenomic studies. <i>Pharmacogenomics and Personalized Medicine</i> , 2008, 2008, 7.	0.4	24
528	Dynamic and combinatorial control of gene expression by nuclear retinoic acid receptors (RARs). <i>Nuclear Receptor Signaling</i> , 2009, 7, nrs.07005.	1.0	199
529	Systems level analysis of transgenerational spermatogenic inheritance predicts biomarkers and underlying pathways. <i>Nature Precedings</i> , 2009, , .	0.1	0

#	ARTICLE	IF	CITATIONS
530	Apoptosis in Carcinogenesis and Chemotherapy. , 2009, , .		10
531	Hypermethylation of Genes for Diagnosis and Risk Stratification of Prostate Cancer. Cancer Investigation, 2009, 27, 549-560.	0.6	126
532	Epigenetics, genomic mutations and cognitive function. Cognitive Neuropsychiatry, 2009, 14, 377-390.	0.7	36
533	Label-free analysis of DNA methylation using optofluidic ring resonators. , 2009, 2009, 2760-2.		0
534	Selective Anchoring of DNA Methyltransferases 3A and 3B to Nucleosomes Containing Methylated DNA. Molecular and Cellular Biology, 2009, 29, 5366-5376.	1.1	179
535	Azacitidine for the treatment of myelodysplastic syndrome. Expert Review of Anticancer Therapy, 2009, 9, 875-884.	1.1	26
536	Epigenetic Regulation of Foxp3 Expression in Regulatory T Cells by DNA Methylation. Journal of Immunology, 2009, 182, 259-273.	0.4	498
537	Human concentrative nucleoside transporter 1-mediated uptake of 5-azacytidine enhances DNA demethylation. Molecular Cancer Therapeutics, 2009, 8, 225-231.	1.9	56
538	Small regulatory RNAs in neurodevelopmental disorders. Human Molecular Genetics, 2009, 18, R18-R26.	1.4	47
539	The presence of circulating total DNA and methylated genes is associated with circulating tumour cells in blood from breast cancer patients. British Journal of Cancer, 2009, 100, 1277-1286.	2.9	77
540	Coupling Sequence-specific Recognition to DNA Modification. Journal of Biological Chemistry, 2009, 284, 22690-22696.	1.6	13
541	Methylated DNA Immunoprecipitation. Journal of Visualized Experiments, 2009, , .	0.2	21
542	Recent Advances in the Detection of Prostate Cancer Using Epigenetic Markers in Commonly Collected Laboratory Samples. Laboratory Medicine, 2009, 40, 171-178.	0.8	8
543	Azacytidine Inhibits RNA Methylation at DNMT2 Target Sites in Human Cancer Cell Lines. Cancer Research, 2009, 69, 8127-8132.	0.4	170
544	PCI-24781 Induces Caspase and Reactive Oxygen Species-Dependent Apoptosis Through NF- $\kappa$ B Mechanisms and Is Synergistic with Bortezomib in Lymphoma Cells. Clinical Cancer Research, 2009, 15, 3354-3365.	3.2	92
545	Animal Models of Epigenetic Inheritance. Seminars in Reproductive Medicine, 2009, 27, 369-379.	0.5	26
546	Fetal and Neonatal Exposure to the Endocrine Disruptor Methoxychlor Causes Epigenetic Alterations in Adult Ovarian Genes. Endocrinology, 2009, 150, 4681-4691.	1.4	150
547	Epigenetic maintenance of stemness and malignancy in peripheral neuroectodermal tumors by EZH2. Cell Cycle, 2009, 8, 1991-1996.	1.3	71

#	ARTICLE	IF	CITATIONS
548	Non-coding RNAs, epigenetic memory and the passage of information to progeny. <i>RNA Biology</i> , 2009, 6, 242-247.	1.5	37
549	Paternal Allele of IGF2 Gene Haplotype CTG Is Associated With Fetal and Placental Growth in Japanese. <i>Pediatric Research</i> , 2009, 66, 135-139.	1.1	7
550	DNA Methylation Analysis of Chromosome 21 Gene Promoters at Single Base Pair and Single Allele Resolution. <i>PLoS Genetics</i> , 2009, 5, e1000438.	1.5	143
551	Homocysteine, Alcoholism and its Molecular Networks. <i>Pharmacopsychiatry</i> , 2009, 42, S102-S109.	1.7	34
552	Targeting the Epigenome in the Treatment of Asthma and Chronic Obstructive Pulmonary Disease. <i>Proceedings of the American Thoracic Society</i> , 2009, 6, 693-696.	3.5	130
553	MicroRNA Regulatory Network in Human Colorectal Cancer. <i>Mini-Reviews in Medicinal Chemistry</i> , 2009, 9, 921-926.	1.1	27
554	Heterochromatic Genome Stability Requires Regulators of Histone H3 K9 Methylation. <i>PLoS Genetics</i> , 2009, 5, e1000435.	1.5	168
555	The regulation of neuronal gene expression by alcohol. , 2009, 124, 324-335.		42
556	Inhibitor of differentiation 4 (Id4) is a potential tumor suppressor in prostate cancer. <i>BMC Cancer</i> , 2009, 9, 173.	1.1	63
557	Interaction between the mismatch repair and nucleotide excision repair pathways in the prevention of 5-azacytidine-induced CG-to-GC mutations in <i>Escherichia coli</i> . <i>DNA Repair</i> , 2009, 8, 354-359.	1.3	14
558	Epigenetic regulation of gap junctional intercellular communication: More than a way to keep cells quiet?. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2009, 1795, 53-61.	3.3	29
559	The dynamic and static modification of the epigenome by hormones: A role in the developmental origin of hormone related cancers. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2009, 1795, 104-109.	3.3	12
560	Alternative splicing variants and DNA methylation status of BDNF in inbred chicken lines. <i>Brain Research</i> , 2009, 1269, 1-10.	1.1	17
561	Mechanistic insight into WEB-2170-induced apoptosis in human acute myelogenous leukemia cells: The crucial role of PTEN. <i>Experimental Hematology</i> , 2009, 37, 1176-1185.e21.	0.2	17
562	Epigenetics and cancer treatment. <i>European Journal of Pharmacology</i> , 2009, 625, 131-142.	1.7	189
563	Epidemiology of acephalus/acardius monozygotic twins: New insights into an epigenetic causal hypothesis. <i>American Journal of Medical Genetics, Part A</i> , 2009, 149A, 640-649.	0.7	5
564	The ecology and evolutionary endocrinology of reproduction in the human female. <i>American Journal of Physical Anthropology</i> , 2009, 140, 95-136.	2.1	137
565	Phosphorothioation of Oligonucleotides Strongly Influences the Inhibition of Bacterial (M.Hhal) and Human (Dnmt1) DNA Methyltransferases. <i>ChemBioChem</i> , 2009, 10, 728-734.	1.3	4



#	ARTICLE	IF	CITATIONS
566	Promoter hypermethylation of the <i>ADAM23</i> gene in colorectal cancer cell lines and cancer tissues. <i>International Journal of Cancer</i> , 2009, 124, 1258-1262.	2.3	28
567	Genistein depletes telomerase activity through cross-talk between genetic and epigenetic mechanisms. <i>International Journal of Cancer</i> , 2009, 125, 286-296.	2.3	183
568	Expression of esophageal cancer related gene 4 (ECRG4), a novel tumor suppressor gene, in esophageal cancer and its inhibitory effect on the tumor growth <i>in vitro</i> and <i>in vivo</i> . <i>International Journal of Cancer</i> , 2009, 125, 1505-1513.	2.3	93
569	Methylation of cystatin M promoter is associated with unfavorable prognosis in operable breast cancer. <i>International Journal of Cancer</i> , 2009, 125, 2887-2892.	2.3	33
570	Novobiocin decreases SMYD3 expression and inhibits the migration of MDA-MB-231 human breast cancer cells. <i>IUBMB Life</i> , 2010, 62, 194-199.	1.5	36
571	Increased genomic instability and altered chromosomal protein phosphorylation timing in <i>HRAS</i> -transformed mouse fibroblasts. <i>Genes Chromosomes and Cancer</i> , 2009, 48, 397-409.	1.5	15
572	Methylation status of CpG islands in the promoter regions of signature genes during chondrogenesis of human synovium-derived mesenchymal stem cells. <i>Arthritis and Rheumatism</i> , 2009, 60, 1416-1426.	6.7	76
573	Methylation status of p16 INK4A tumor suppressor gene in Iranian patients with sporadic breast cancer. <i>Journal of Cancer Research and Clinical Oncology</i> , 2009, 135, 991-996.	1.2	17
574	Synergistic induction of NY-ESO-1 antigen expression by a novel histone deacetylase inhibitor, valproic acid, with 5-aza-2-deoxycytidine in glioma cells. <i>Journal of Neuro-Oncology</i> , 2009, 92, 15-22.	1.4	50
575	Promoter hypermethylation in sentinel lymph nodes as a marker for breast cancer recurrence. <i>Breast Cancer Research and Treatment</i> , 2009, 114, 315-325.	1.1	8
576	Advanced technologies for genomic analysis in farm animals and its application for QTL mapping. <i>Genetica</i> , 2009, 136, 371-386.	0.5	22
577	Additive Effects of 5-Aza-2-deoxycytidine and Irradiation on Clonogenic Survival of Human Medulloblastoma Cell Lines. <i>Strahlentherapie Und Onkologie</i> , 2009, 185, 331-338.	1.0	22
578	EU research activities in alternative testing strategies: current status and future perspectives. <i>Archives of Toxicology</i> , 2009, 83, 1037-1042.	1.9	11
579	Epigenetics and periodontal disease: future perspectives. <i>Inflammation Research</i> , 2009, 58, 625-629.	1.6	52
580	DNA hypomethylation in the origin and pathogenesis of human diseases. <i>Cellular and Molecular Life Sciences</i> , 2009, 66, 2249-2261.	2.4	187
581	Zebularine suppresses the apoptotic potential of 5-fluorouracil via cAMP/PKA/CREB pathway against human oral squamous cell carcinoma cells. <i>Cancer Chemotherapy and Pharmacology</i> , 2009, 64, 223-232.	1.1	33
582	Genetics of asthma: a molecular biologist perspective. <i>Clinical and Molecular Allergy</i> , 2009, 7, 7.	0.8	22
583	DNA demethylation in hormone-induced transcriptional derepression. <i>Nature</i> , 2009, 461, 1007-1012.	13.7	224



#	ARTICLE	IF	CITATIONS
584	Mechanisms of Polycomb gene silencing: knowns and unknowns. <i>Nature Reviews Molecular Cell Biology</i> , 2009, 10, 697-708.	16.1	1,185
585	Identification of 4-hydroxyquinolines inhibitors of p300/CBP histone acetyltransferases. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009, 19, 1132-1135.	1.0	63
586	Immunochemical and molecular-Genetic markers in diagnostics of gastric cancer. <i>Biochemistry (Moscow) Supplement Series B: Biomedical Chemistry</i> , 2009, 3, 33-43.	0.2	0
587	Synthesis and Reaction of DNA Oligomers Containing Modified Cytosines Related to Bisulfite Sequencing. <i>Organic Letters</i> , 2009, 11, 1377-1379.	2.4	13
588	The rationale and use of hypomethylation agents in adult acute myeloid leukemia. <i>Expert Opinion on Drug Discovery</i> , 2009, 4, 195-205.	2.5	1
589	Alcoholism: A Systems Approach From Molecular Physiology to Addictive Behavior. <i>Physiological Reviews</i> , 2009, 89, 649-705.	13.1	620
590	Epigenomic profiling of cancer cells. <i>International Journal of Biochemistry and Cell Biology</i> , 2009, 41, 127-135.	1.2	42
591	Inflammatory signalling as mediator of epigenetic modulation in tissue-specific chronic inflammation. <i>International Journal of Biochemistry and Cell Biology</i> , 2009, 41, 176-184.	1.2	117
592	dXNP/DATRX increases apoptosis via the JNK and dFOXO pathway in <i>Drosophila</i> neurons. <i>Biochemical and Biophysical Research Communications</i> , 2009, 384, 160-166.	1.0	14
593	Escape mechanisms from antibody therapy to lymphoma cells: Downregulation of CD20 mRNA by recruitment of the HDAC complex and not by DNA methylation. <i>Biochemical and Biophysical Research Communications</i> , 2009, 390, 48-53.	1.0	42
594	Evaluation of 6-([ <sup>18</sup> F]fluoroacetamido)-1-hexanoicanilide for PET imaging of histone deacetylase in the baboon brain. <i>Nuclear Medicine and Biology</i> , 2009, 36, 247-258.	0.3	48
595	Epigenetic regulation of nervous system development by DNA methylation and histone deacetylation. <i>Progress in Neurobiology</i> , 2009, 88, 170-183.	2.8	127
596	Role of nuclear glutathione as a key regulator of cell proliferation. <i>Molecular Aspects of Medicine</i> , 2009, 30, 77-85.	2.7	152
597	Epigenetics in spermatogenesis. <i>Molecular and Cellular Endocrinology</i> , 2009, 306, 33-36.	1.6	120
598	Role of epigenetic regulatory mechanisms in neonatal hypoxic-ischemic brain injury. <i>Medical Hypotheses</i> , 2009, 72, 692-693.	0.8	5
599	Breaching the Boundaries that Safeguard against Repression. <i>Molecular Cell</i> , 2009, 34, 395-397.	4.5	4
600	HDAC inhibitor trichostatin A-inhibited survival of dopaminergic neuronal cells. <i>Neuroscience Letters</i> , 2009, 467, 212-216.	1.0	56
601	Endoplasmic Reticulum Stress Response. , 2008, , 981-981.		0

#	ARTICLE	IF	CITATIONS
602	Histone Deacetylase Inhibitors. <i>Drugs</i> , 2009, 69, 1911-1934.	4.9	213
603	The impact of new research technologies on our understanding of environmental causes of disease: the concept of clinical vulnerability. <i>Environmental Health</i> , 2009, 8, 54.	1.7	61
604	Main roads to melanoma. <i>Journal of Translational Medicine</i> , 2009, 7, 86.	1.8	157
605	Combination of PDT and a DNA demethylating agent produces anti-tumor immune response in a mouse tumor model. , 2009, , .		0
606	The DNA sequencing renaissance and its implications for epigenomics. <i>Epigenomics</i> , 2009, 1, 5-8.	1.0	5
607	Epigenetic Reprogramming: A Possible Etiological Factor in Bladder Pain Syndrome/Interstitial Cystitis?. <i>Journal of Urology</i> , 2009, 181, 980-984.	0.2	17
608	A genome-wide analysis of brain DNA methylation identifies new candidate genes for sporadic amyotrophic lateral sclerosis. <i>Amyotrophic Lateral Sclerosis and Other Motor Neuron Disorders</i> , 2009, 10, 418-429.	2.3	82
609	Global Levels of Histone Modifications Predict Prognosis in Different Cancers. <i>American Journal of Pathology</i> , 2009, 174, 1619-1628.	1.9	448
610	Emerging Concepts in the Pathogenesis of Lung Fibrosis. <i>American Journal of Pathology</i> , 2009, 175, 3-16.	1.9	204
611	GABAergic promoter hypermethylation as a model to study the neurochemistry of schizophrenia vulnerability. <i>Expert Review of Neurotherapeutics</i> , 2009, 9, 87-98.	1.4	60
612	How epigenetics can explain human metastasis: A new role for microRNAs. <i>Cell Cycle</i> , 2009, 8, 377-382.	1.3	143
613	Role of sulfur amino acids in controlling nutrient metabolism and cell functions: implications for nutrition. <i>British Journal of Nutrition</i> , 2009, 101, 1132-1139.	1.2	76
614	Genetic Risk Factors for Musculoskeletal Soft Tissue Injuries. <i>Medicine and Sport Science</i> , 2009, 54, 136-149.	1.4	103
615	Detection of methylcytosine by DNA photoligation via hydrophobic interaction of the alkyl group. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 3163.	1.5	13
616	Epigenetic biomarkers in urothelial bladder cancer. <i>Expert Review of Molecular Diagnostics</i> , 2009, 9, 259-269.	1.5	34
617	Introduction to Signalling Cascades. , 2009, , 37-75.		1
618	DNA Hypermethylation Profiles in Squamous Cell Carcinoma of the Vulva. <i>International Journal of Gynecological Pathology</i> , 2009, 28, 63-75.	0.9	22
619	Label-free DNA methylation analysis using the optofluidic ring resonator sensor. <i>Proceedings of SPIE</i> , 2009, , .	0.8	0

#	ARTICLE	IF	CITATIONS
620	Relational Analysis of CpG Islands Methylation and Gene Expression in Human Lymphomas Using Possibilistic C-Means Clustering and Modified Cluster Fuzzy Density. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2009, , .	1.9	0
621	Psychology and Epigenetics. Review of General Psychology, 2009, 13, 194-201.	2.1	57
622	Hypomethylating drugs convert HA-1â€“negative solid tumors into targets for stem cellâ€“based immunotherapy. Blood, 2009, 113, 2715-2722.	0.6	53
623	Down-regulation of CD20 expression in B-cell lymphoma cells after treatment with rituximab-containing combination chemotherapies: its prevalence and clinical significance. Blood, 2009, 113, 4885-4893.	0.6	217
624	Myc sensitizes p53-deficient cancer cells to the DNA-damaging effects of the DNA methyltransferase inhibitor decitabine. Blood, 2009, 113, 4281-4288.	0.6	31
625	Differentiation therapy of leukemia: 3 decades of development. Blood, 2009, 113, 3655-3665.	0.6	295
626	Epigenetic mechanisms of regulation of Foxp3 expression. Blood, 2009, 114, 3727-3735.	0.6	327
627	Tumor Cell Growth Inhibition and Cell Differentiation Analysis in a Canine Mammary Tumor Cell Line (MCM-B2) Treated with Four Chemical Reagents. Journal of Veterinary Medical Science, 2009, 71, 1413-1417.	0.3	9
628	Epigenetic Modulation in Hematologic Malignancies: Challenges and Progress. Journal of the National Comprehensive Cancer Network: JNCCN, 2009, 7, S-1-S-12.	2.3	8
629	Nutrigenomics and Nutrigenetics. , 2009, , 457-475.		1
630	Cytosine Methyltransferases as Tumor Markers. Current Genomics, 2010, 11, 568-577.	0.7	3
631	Impact on DNA Methylation in Cancer Prevention and Therapy by Bioactive Dietary Components. Current Medicinal Chemistry, 2010, 17, 2141-2151.	1.2	228
632	Epigenetics and depression: current challenges and new therapeutic options. Current Opinion in Psychiatry, 2010, 23, 588-592.	3.1	72
634	The role of hLHX6-HMR as a methylation biomarker for early diagnosis of cervical cancer. Oncology Reports, 2010, 23, 1675-82.	1.2	13
635	The role of ADCYAP1, adenylate cyclase activating polypeptide 1, as a methylation biomarker for the early detection of cervical cancer. Oncology Reports, 2010, 25, .	1.2	20
636	Next Generation Sequencing: Advances in Characterizing the Methylome. Genes, 2010, 1, 143-165.	1.0	4
637	Methylated APC and GSTP1 genes in serum DNA correlate with the presence of circulating blood tumor cells and are associated with a more aggressive and advanced breast cancer disease. European Journal of Medical Research, 2010, 15, 277-86.	0.9	49
638	Differential genome-wide arrayâ€“based methylation profiles in prognostic subsets of chronic lymphocytic leukemia. Blood, 2010, 115, 296-305.	0.6	126

#	ARTICLE	IF	CITATIONS
639	Frontiers of Mass Spectrometry in Nucleic Acids Analysis. <i>European Journal of Mass Spectrometry</i> , 2010, 16, 351-365.	0.5	12
640	Epigenetic Alterations in Schizophrenia. <i>Focus (American Psychiatric Publishing)</i> , 2010, 8, 358-365.	0.4	5
641	DNA methylation: a form of epigenetic control of gene expression. <i>The Obstetrician and Gynaecologist</i> , 2010, 12, 37-42.	0.2	117
642	Properties and identification of cancer stem cells: A changing insight into intractable cancer. <i>Surgery Today</i> , 2010, 40, 608-613.	0.7	10
643	Nucleosomal response, immediate-early gene expression and cell transformation. <i>Advances in Enzyme Regulation</i> , 2010, 50, 135-145.	2.9	9
644	DNA hypermethylation markers of poor outcome in laryngeal cancer. <i>Clinical Epigenetics</i> , 2010, 1, 61-69.	1.8	28
645	Epigenetic regulation of neuronal dendrite and dendritic spine development. <i>Frontiers in Biology</i> , 2010, 5, 304-323.	0.7	24
646	Epigenetics Lessons from Twins: Prospects for Autoimmune Disease. <i>Clinical Reviews in Allergy and Immunology</i> , 2010, 39, 30-41.	2.9	94
647	Small RNA-Mediated Gene Regulation in Neurodevelopmental Disorders. <i>Current Psychiatry Reports</i> , 2010, 12, 154-161.	2.1	11
648	Understanding and Determining the Etiology of Autism. <i>Cellular and Molecular Neurobiology</i> , 2010, 30, 161-171.	1.7	141
649	CDKL5 is a brain MeCP2 target gene regulated by DNA methylation. <i>Neurobiology of Disease</i> , 2010, 38, 414-424.	2.1	89
650	BISMA - Fast and accurate bisulfite sequencing data analysis of individual clones from unique and repetitive sequences. <i>BMC Bioinformatics</i> , 2010, 11, 230.	1.2	215
651	The aberrant asynchronous replication "characterizing lymphocytes of cancer patients" is erased following stem cell transplantation. <i>BMC Cancer</i> , 2010, 10, 230.	1.1	9
652	Immunohistochemical expression of DNA methyltransferases 1, 3a and 3b in oral leukoplakias and squamous cell carcinomas. <i>Archives of Oral Biology</i> , 2010, 55, 1024-1030.	0.8	18
654	Sequential loss of cell cycle checkpoint control contributes to malignant transformation of murine embryonic fibroblasts induced by 20 $\alpha$ -methylcholanthrene. <i>Journal of Cellular Physiology</i> , 2010, 224, 49-58.	2.0	12
655	Histone modifications, DNA methylation, and Schizophrenia. <i>Neuroscience and Biobehavioral Reviews</i> , 2010, 34, 882-888.	2.9	103
656	Label-free DNA methylation analysis using opto-fluidic ring resonators. <i>Biosensors and Bioelectronics</i> , 2010, 26, 1016-1020.	5.3	50
657	Novel and selective DNA methyltransferase inhibitors: Docking-based virtual screening and experimental evaluation. <i>Bioorganic and Medicinal Chemistry</i> , 2010, 18, 822-829.	1.4	165

#	ARTICLE	IF	CITATIONS
658	Design, synthesis, inhibitory activity, and binding mode study of novel DNA methyltransferase 1 inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 1124-1127.	1.0	90
659	Subject Positioning and Deliberative Democracy: Understanding Social Processes Underlying Deliberation. <i>Journal for the Theory of Social Behaviour</i> , 2010, 40, 224-245.	0.8	17
660	Histone deacetylase inhibitor (SAHA) and repression of EZH2 synergistically inhibit proliferation of gallbladder carcinoma. <i>Cancer Science</i> , 2010, 101, 355-362.	1.7	53
661	Frequent hypermethylation and loss of heterozygosity of the testis derived transcript gene in ovarian cancer. <i>Cancer Science</i> , 2010, 101, 1255-1260.	1.7	17
662	Reexpression of epigenetically silenced AML tumor suppressor genes by SUV39H1 inhibition. <i>Oncogene</i> , 2010, 29, 576-588.	2.6	101
663	Demethylation of a LINE-1 antisense promoter in the cMet locus impairs Met signalling through induction of illegitimate transcription. <i>Oncogene</i> , 2010, 29, 5775-5784.	2.6	89
664	Epigenetic modifications as therapeutic targets. <i>Nature Biotechnology</i> , 2010, 28, 1069-1078.	9.4	686
665	Stress and the epigenetic landscape: a link to the pathobiology of human diseases?. <i>Nature Reviews Genetics</i> , 2010, 11, 806-812.	7.7	106
666	Equitoxic Doses of 5-Azacytidine and 5-Aza-2-Deoxycytidine Induce Diverse Immediate and Overlapping Heritable Changes in the Transcriptome. <i>PLoS ONE</i> , 2010, 5, e12994.	1.1	57
667	Molecular Biology of Lung Cancer. <i>Japanese Journal of Lung Cancer</i> , 2010, 50, 329-341.	0.0	0
668	Promoter methylation and expression changes of CDH1 and P16 genes in invasive breast cancer and adjacent normal breast tissue. <i>Neoplasma</i> , 2010, 57, 465-472.	0.7	25
669	Brief Review of Vorinostat. <i>Clinical Medicine Insights Therapeutics</i> , 2010, 2, CMT.S1102.	0.4	4
670	Cancer Epigenetics. <i>Progress in Molecular Biology and Translational Science</i> , 2010, 95, 299-349.	0.9	10
671	Chemical discrimination between dC and 5Me dC via their hydroxylamine adducts. <i>Nucleic Acids Research</i> , 2010, 38, e192-e192.	6.5	34
672	Therapeutic modulation of epigenetic drivers of drug resistance in ovarian cancer. <i>Therapeutic Advances in Medical Oncology</i> , 2010, 2, 319-329.	1.4	45
673	The Presence of Methylation of the p16INK4A Gene and Human Papillomavirus in High-grade Cervical Squamous Intraepithelial Lesions. <i>Diagnostic Molecular Pathology</i> , 2010, 19, 15-19.	2.1	10
674	Long-term Stability of Demethylation after Transient Exposure to 5-Aza-2-Deoxycytidine Correlates with Sustained RNA Polymerase II Occupancy. <i>Molecular Cancer Research</i> , 2010, 8, 1048-1059.	1.5	34
675	Hypomethylation and genome instability in the germline of exposed parents and their progeny is associated with altered miRNA expression. <i>Carcinogenesis</i> , 2010, 31, 1110-1115.	1.3	102

#	ARTICLE	IF	CITATIONS
676	Modulation of E-cadherin expression by K-Ras; involvement of DNA methyltransferase-3b. <i>Carcinogenesis</i> , 2010, 31, 1194-1201.	1.3	26
677	Epigenetic drugs for cancer treatment and prevention: mechanisms of action. <i>Biomolecular Concepts</i> , 2010, 1, 239-251.	1.0	15
678	PCI-24781, a Novel Hydroxamic Acid HDAC Inhibitor, Exerts Cytotoxicity and Histone Alterations via Caspase-8 and FADD in Leukemia Cells. <i>International Journal of Cell Biology</i> , 2010, 2010, 1-10.	1.0	28
679	Involvement of epigenetically silenced microRNA-181c in gastric carcinogenesis. <i>Carcinogenesis</i> , 2010, 31, 777-784.	1.3	139
680	Unique DNA Methylation Patterns Distinguish Noninvasive and Invasive Urothelial Cancers and Establish an Epigenetic Field Defect in Premalignant Tissue. <i>Cancer Research</i> , 2010, 70, 8169-8178.	0.4	148
681	Emerging Anticancer Therapeutic Targets and the Cardiovascular System. <i>Circulation Research</i> , 2010, 106, 1022-1034.	2.0	40
682	Metabolic imprinting, programming and epigenetics â€“ a review of present priorities and future opportunities. <i>British Journal of Nutrition</i> , 2010, 104, S1-S25.	1.2	112
683	DAMD to epigenetic silence. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 3-4.	3.3	19
684	Global DNA methylation: comparison of enzymatic- and non-enzymatic-based methods. <i>Clinical Chemistry and Laboratory Medicine</i> , 2010, 48, 1793-1798.	1.4	13
685	Application of OMICS technologies in occupational and environmental health research; current status and projections. <i>Occupational and Environmental Medicine</i> , 2010, 67, 136-143.	1.3	107
686	Importance sampling method for efficient estimation of the probability of rare events in biochemical reaction systems. , 2010, , .		0
687	Is There a Future for Histone Deacetylase Inhibitors in the Pharmacotherapy of Psychiatric Disorders?. <i>Molecular Pharmacology</i> , 2010, 77, 126-135.	1.0	162
688	Animal Models to Study Environmental Epigenetics1. <i>Biology of Reproduction</i> , 2010, 82, 473-488.	1.2	102
689	Maternal undernutrition and endocrine development. <i>Expert Review of Endocrinology and Metabolism</i> , 2010, 5, 297-312.	1.2	12
690	Dysregulation of p53/Sp1 Control Leads to DNA Methyltransferase-1 Overexpression in Lung Cancer. <i>Cancer Research</i> , 2010, 70, 5807-5817.	0.4	172
691	Epigenetic Regulatory Mechanisms Associated with Infertility. <i>Obstetrics and Gynecology International</i> , 2010, 2010, 1-7.	0.5	7
692	MicroRNA (miRNA) Expression is Regulated by Butyrate-Induced Epigenetic Modulation of Gene Expression in Bovine Cells. <i>Genetics &amp; Epigenetics</i> , 2010, 3, GEG.S6144.	2.5	7
693	Epigenetics of programmed obesity: alteration in IUGR rat hepatic IGF1 mRNA expression and histone structure in rapid vs. delayed postnatal catch-up growth. <i>American Journal of Physiology - Renal Physiology</i> , 2010, 299, G1023-G1029.	1.6	113

#	ARTICLE	IF	CITATIONS
694	The role of EZH2 and DNA methylation in the silencing of the tumour suppressor RUNX3 in colorectal cancer. <i>Carcinogenesis</i> , 2010, 31, 1567-1575.	1.3	71
695	Abundant Quantitative Trait Loci Exist for DNA Methylation and Gene Expression in Human Brain. <i>PLoS Genetics</i> , 2010, 6, e1000952.	1.5	722
696	Epigenetic Signatures in Breast Cancer: Clinical Perspective. <i>Breast Care</i> , 2010, 5, 66-73.	0.8	41
697	Nitric Oxide: Perspectives and Emerging Studies of a Well Known Cytotoxin. <i>International Journal of Molecular Sciences</i> , 2010, 11, 2715-2745.	1.8	43
698	X-Linked Ectodermal Dysplasia Receptor Is Downregulated in Breast Cancer via Promoter Methylation. <i>Clinical Cancer Research</i> , 2010, 16, 1140-1148.	3.2	19
699	Multiple Mechanisms Influence Regulation of the Cystic Fibrosis Transmembrane Conductance Regulator Gene Promoter. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2010, 43, 334-341.	1.4	21
700	Undesired Neural Side-Effects of a Drug, a Chemical and Genetic Interrelated Problem. <i>Central Nervous System Agents in Medicinal Chemistry</i> , 2010, 10, 108-112.	0.5	6
701	Excessive HDAC activation is critical for neurodegeneration in the rd1 mouse. <i>Cell Death and Disease</i> , 2010, 1, e24-e24.	2.7	100
702	Refining methylation-targeting therapies for pancreatic cancer-focusing on DNMT1. <i>Cancer Biology and Therapy</i> , 2010, 9, 330-332.	1.5	1
703	Long antisense non-coding RNAs and their role in transcription and oncogenesis. <i>Cell Cycle</i> , 2010, 9, 2544-2547.	1.3	50
704	Nucleosome positioning, gene regulation and disease. <i>Epigenomics</i> , 2010, 2, 351-354.	1.0	1
705	A phase I biological study of azacitidine (Vidaza <sup>TM</sup> ) to determine the optimal dose to inhibit DNA methylation. <i>Epigenetics</i> , 2010, 5, 750-757.	1.3	15
706	The epigenome as a therapeutic target in prostate cancer. <i>Nature Reviews Urology</i> , 2010, 7, 668-680.	1.9	118
707	Tumor-Initiating and -Propagating Cells: Cells That We Would to Identify and Control. <i>Neoplasia</i> , 2010, 12, 506-515.	2.3	78
708	Cooperativity and Specificity of Cys2His2 Zinc Finger Protein~DNA Interactions: A Molecular Dynamics Simulation Study. <i>Journal of Physical Chemistry B</i> , 2010, 114, 7662-7671.	1.2	35
709	Probing the natural scene by echolocation in bats. <i>Frontiers in Behavioral Neuroscience</i> , 2010, 4, .	1.0	123
710	Introduction. <i>Advances in Genetics</i> , 2010, 70, 1-23.	0.8	29
711	Histone Modifications and Cancer. <i>Advances in Genetics</i> , 2010, 70, 57-85.	0.8	174







#	ARTICLE	IF	CITATIONS
732	Genetic and epigenetic mechanisms and their possible role in abdominal aortic aneurysm. <i>Atherosclerosis</i> , 2010, 212, 16-29.	0.4	58
733	Glucose restriction can extend normal cell lifespan and impair precancerous cell growth through epigenetic control of <i>hTERT</i> and <i>p16</i> expression. <i>FASEB Journal</i> , 2010, 24, 1442-1453.	0.2	113
734	Epigenetic Changes in the Myelodysplastic Syndrome. <i>Hematology/Oncology Clinics of North America</i> , 2010, 24, 317-330.	0.9	91
735	Delivery of 5-Azacytidine to Human Cancer Cells by Elaidic Acid Esterification Increases Therapeutic Drug Efficacy. <i>Molecular Cancer Therapeutics</i> , 2010, 9, 1256-1264.	1.9	77
736	The Application of Next Generation Sequencing in DNA Methylation Analysis. <i>Genes</i> , 2010, 1, 85-101.	1.0	51
737	Environmental Factors, Genes, and the Development of Human Cancers. , 2010, , .		6
738	Epigenetics of Aging. , 2010, , .		10
739	Epigenetics in cancer. <i>Carcinogenesis</i> , 2010, 31, 27-36.	1.3	2,119
740	Active DNA demethylation in human postmitotic cells correlates with activating histone modifications, but not transcription levels. <i>Genome Biology</i> , 2010, 11, R63.	13.9	75
741	Genomic variants associated with primary biliary cirrhosis. <i>Genome Medicine</i> , 2010, 2, 5.	3.6	11
742	Epigenetics of renal cell carcinoma: the path towards new diagnostics and therapeutics. <i>Genome Medicine</i> , 2010, 2, 59.	3.6	61
743	Growth-inhibiting effects of arsenic trioxide plus epigenetic therapeutic agents on leukemia cell lines. <i>Leukemia and Lymphoma</i> , 2010, 51, 297-303.	0.6	19
744	Transformation of cytosine to uracil in single-stranded DNA via their oxime sulfonates. <i>Chemical Communications</i> , 2010, 46, 3378.	2.2	2
745	Oligomerization and Binding of the Dnmt3a DNA Methyltransferase to Parallel DNA Molecules. <i>Journal of Biological Chemistry</i> , 2011, 286, 24200-24207.	1.6	89
746	DNA Methylation: Superior or Subordinate in the Epigenetic Hierarchy?. <i>Genes and Cancer</i> , 2011, 2, 607-617.	0.6	564
747	Epigenetic mechanisms in diabetic vascular complications. <i>Cardiovascular Research</i> , 2011, 90, 421-429.	1.8	178
748	Comprehensive Genome Methylation Analysis in Bladder Cancer: Identification and Validation of Novel Methylated Genes and Application of These as Urinary Tumor Markers. <i>Clinical Cancer Research</i> , 2011, 17, 5582-5592.	3.2	183
749	Progression-Free Survival in Ovarian Cancer Is Reflected in Epigenetic DNA Methylation Profiles. <i>Oncology</i> , 2011, 80, 12-20.	0.9	43

#	ARTICLE	IF	CITATIONS
750	5-Fluorouracil Adjuvant Chemotherapy Does Not Increase Survival in Patients With CpG Island Methylator Phenotype Colorectal Cancer. <i>Gastroenterology</i> , 2011, 140, 1174-1181.	0.6	185
751	Novel cancer drugs based on epigenetics, miRNAs and their interactions. <i>Epigenomics</i> , 2011, 3, 675-678.	1.0	4
752	Chromatin: a key player in complex gene regulation and future cancer therapeutics. <i>Epigenomics</i> , 2011, 3, 395-399.	1.0	23
753	Myofibroblast differentiation and survival in fibrotic disease. <i>Expert Reviews in Molecular Medicine</i> , 2011, 13, e27.	1.6	179
754	Epigenetics and Chronic Diseases: An Overview. , 2011, , 1-20.		4
755	Pharmacokinetic evaluation of decitabine for the treatment of leukemia. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2011, 7, 661-672.	1.5	21
756	Epigenetic Changes Induced by Environment and Diet in Cancer. , 2011, , 582-589.		0
757	Endoplasmic Reticulum Stress Response. , 2011, , 1244-1244.		0
758	The Sperm Epigenome. , 2011, , 95-106.		4
759	Biological Functions of Methyl-CpG-Binding Proteins. <i>Progress in Molecular Biology and Translational Science</i> , 2011, 101, 377-398.	0.9	80
760	Ecological Study. , 2011, , 1209-1209.		0
761	âœœCardiac K <sub>ATP</sub> âœ€ Circulation: Arrhythmia and Electrophysiology, 2011, 4, 796-798.	2.1	13
762	Epigenetic Alteration by DNA Promoter Hypermethylation of Genes Related to Transforming Growth Factor-Î² (TGF-Î²) Signaling in Cancer. <i>Cancers</i> , 2011, 3, 982-993.	1.7	14
764	Synthesis and Biochemical Evaluation of Î²<sup>2</sup>-Isoxazoline Derivatives as DNA Methyltransferase 1 Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 7663-7677.	2.9	154
765	Molecular Mechanisms in the Pathogenesis of Diabetic Cardiomyopathy. , 2011, , 365-378.		0
766	Mouse ES cells overexpressing DNMT1 produce abnormal neurons with upregulated NMDA/NR1 subunit. <i>Differentiation</i> , 2011, 82, 9-17.	1.0	19
767	A prospective on drug abuse-associated epigenetics and HIV-1 replication. <i>Life Sciences</i> , 2011, 88, 995-999.	2.0	8
768	Potential impact of drugs of abuse on mother-to-child transmission (MTCT) of HIV in the era of highly active antiretroviral therapy (HAART). <i>Life Sciences</i> , 2011, 88, 909-916.	2.0	8

#	ARTICLE	IF	CITATIONS
769	Genetic Tumor Profiling and Genetically Targeted Cancer Therapy. <i>Seminars in Oncology Nursing</i> , 2011, 27, 34-44.	0.7	11
770	Overexpression of EZH2 and loss of expression of PTEN is associated with invasion, metastasis, and poor progression of gallbladder adenocarcinoma. <i>Pathology Research and Practice</i> , 2011, 207, 472-478.	1.0	45
771	The synthesis and evaluation of N1-(4-(2-[18F]-fluoroethyl)phenyl)-N8-hydroxyoctanediamide ([18F]-FESAHA), A PET radiotracer designed for the delineation of histone deacetylase expression in cancer. <i>Nuclear Medicine and Biology</i> , 2011, 38, 683-696.	0.3	18
772	The epigenetics of autoimmunity. <i>Cellular and Molecular Immunology</i> , 2011, 8, 226-236.	4.8	166
773	Down-regulation of UHRF1, associated with re-expression of tumor suppressor genes, is a common feature of natural compounds exhibiting anti-cancer properties. <i>Journal of Experimental and Clinical Cancer Research</i> , 2011, 30, 41.	3.5	97
774	Mechanisms of action of commonly used drugs to treat cancer. <i>Community Oncology</i> , 2011, 8, 357-369.	0.2	5
775	Nicotinamide Inhibits Growth of Carcinogen Induced Mouse Bladder Tumor and Human Bladder Tumor Xenograft Through Up-Regulation of RUNX3 and p300. <i>Journal of Urology</i> , 2011, 185, 2366-2375.	0.2	32
776	Algorithms for CpG Islands Search: New Advantages and Old Problems. , 0, , .		3
777	Metastasis Genes: Epigenetics. , 0, , 85-95.		0
779	Age- and sex-dependent mRNA expression of KCNQ1 and HERG in patients with long QT syndrome type 1 and 2. <i>Archives of Medical Science</i> , 2011, 6, 941-947.	0.4	12
780	Epigenetics: A Possible Link Between Stress and Melanocyte Malignant Transformation. , 0, , .		0
781	Genotoxicities and infertility. , 2011, , 923-947.		3
782	Circulating nucleic acids as a diagnostic and prognostic marker in various malignant and benign diseases. <i>International Journal of Biological and Chemical Sciences</i> , 2011, 4, .	0.1	0
783	Cancer Epigenomics: a review. <i>Internet Journal of Medical Update</i> , 2011, 6, .	0.2	1
784	Population Pharmacoeigenomics. , 2011, , 511-517.		1
785	Endosomal Compartments. , 2011, , 1244-1248.		2
786	Lessons Learnt from Post-Infectious IBS. <i>Frontiers in Physiology</i> , 2011, 2, 49.	1.3	16
787	Epigenetic Regulation of Mesenchymal Stem Cells: A Focus on Osteogenic and Adipogenic Differentiation. <i>Stem Cells International</i> , 2011, 2011, 1-18.	1.2	92

#	ARTICLE	IF	CITATIONS
788	Regulation of Intestinal Stem Cell Proliferation by Human Methyl-CpG-binding Protein-2 in <i>Drosophila</i> . <i>Cell Structure and Function</i> , 2011, 36, 197-208.	0.5	4
789	Identification of Methylated Genes Associated with Aggressive Clinicopathological Features in Mantle Cell Lymphoma. <i>PLoS ONE</i> , 2011, 6, e19736.	1.1	32
790	Quantitative Analysis and Diagnostic Significance of Methylated SLC19A3 DNA in the Plasma of Breast and Gastric Cancer Patients. <i>PLoS ONE</i> , 2011, 6, e22233.	1.1	53
792	DNA methylation and cancer: ghosts and angels above the genes. <i>Current Opinion in Oncology</i> , 2011, 23, 69-76.	1.1	53
793	Impact of UDP-gluconoryltransferase 2B17 genotype on vorinostat metabolism and clinical outcomes in Asian women with breast cancer. <i>Pharmacogenetics and Genomics</i> , 2011, 21, 760-768.	0.7	34
794	Histone-based self-assembly into DNA-wrapped meso-clusters. <i>Journal of Physics Condensed Matter</i> , 2011, 23, 072206.	0.7	0
795	Life or Death? A Physiogenomic Approach to Understand Individual Variation in Responses to Hemorrhagic Shock. <i>Current Genomics</i> , 2011, 12, 428-442.	0.7	4
796	Epigenetic regulation of the potential tumor suppressor gene, hLHX6.1, in human cervical cancer. <i>International Journal of Oncology</i> , 2011, 38, 859-69.	1.4	11
797	Azacitidine induces demethylation of p16INK4a and inhibits growth in adult T-cell leukemia/lymphoma. <i>International Journal of Molecular Medicine</i> , 2011, 28, 835-9.	1.8	13
798	Histone deacetylase 1 expression in gastric cancer. <i>Oncology Reports</i> , 2011, 26, 777-82.	1.2	38
799	Mechanisms of neurotoxicity induced in the developing brain of mice and rats by DNA-damaging chemicals. <i>Journal of Toxicological Sciences</i> , 2011, 36, 695-712.	0.7	16
801	Aberrant DNA methylation status of endometriosis: Epigenetics as the pathogenesis, biomarker and therapeutic target. <i>Journal of Obstetrics and Gynaecology Research</i> , 2011, 37, 683-695.	0.6	71
802	Genetics/epigenetics of oral premalignancy: current status and future research*. <i>Oral Diseases</i> , 2011, 17, 7-22.	1.5	106
803	Molecular genetic markers in diagnosis of lung cancer. <i>Molecular Biology</i> , 2011, 45, 175-189.	0.4	5
804	The paternal epigenome and embryogenesis: poising mechanisms for development. <i>Asian Journal of Andrology</i> , 2011, 13, 76-80.	0.8	82
805	Potential of apoptosis by histone deacetylase inhibitors and doxorubicin combination: cytoplasmic cathepsin B as a mediator of apoptosis in multiple myeloma. <i>British Journal of Cancer</i> , 2011, 104, 957-967.	2.9	38
806	Reactive Oxygen Species (ROS)-Induced genetic and epigenetic alterations in human carcinogenesis. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2011, 711, 167-173.	0.4	437
807	Epigenetics, spermatogenesis and male infertility. <i>Mutation Research - Reviews in Mutation Research</i> , 2011, 727, 62-71.	2.4	256

#	ARTICLE	IF	CITATIONS
808	A higher degree of LINE-1 methylation in peripheral blood mononuclear cells, a one-carbon nutrient related epigenetic alteration, is associated with a lower risk of developing cervical intraepithelial neoplasia. <i>Nutrition</i> , 2011, 27, 513-519.	1.1	41
809	Weighted next reaction method and parameter selection for efficient simulation of rare events in biochemical reaction systems. <i>Eurasip Journal on Bioinformatics and Systems Biology</i> , 2011, 2011, 4.	1.4	3
810	HumMeth27QCReport: an R package for quality control and primary analysis of Illumina Infinium methylation data. <i>BMC Research Notes</i> , 2011, 4, 546.	0.6	20
811	Epigenetic mechanisms in developmental programming of adult disease. <i>Drug Discovery Today</i> , 2011, 16, 1007-1018.	3.2	90
812	Epigenetic diet: impact on the epigenome and cancer. <i>Epigenomics</i> , 2011, 3, 503-518.	1.0	312
813	Animal Models of Epigenetic Regulation in Neuropsychiatric Disorders. <i>Current Topics in Behavioral Neurosciences</i> , 2011, 7, 281-322.	0.8	10
814	From bench to bedside: Targeting epigenetics for cancer therapy. <i>Clinical Oncology and Cancer Research</i> , 2011, 8, 191-201.	0.1	1
815	How were new medicines discovered?. <i>Nature Reviews Drug Discovery</i> , 2011, 10, 507-519.	21.5	1,516
816	The neuronal pentraxin II gene (NPTX2) inhibit proliferation and invasion of pancreatic cancer cells in vitro. <i>Molecular Biology Reports</i> , 2011, 38, 4903-4911.	1.0	28
817	The Role of Vimentin as a Methylation Biomarker for Early Diagnosis of Cervical Cancer. <i>Molecules and Cells</i> , 2011, 31, 405-412.	1.0	36
818	The association of altered RAR $\beta$ gene expression with the cervical lesion pathogenesis. <i>Chinese-German Journal of Clinical Oncology</i> , 2011, 10, 526-530.	0.1	1
819	Hydralazine and magnesium valproate as epigenetic treatment for myelodysplastic syndrome. Preliminary results of a phase-II trial. <i>Annals of Hematology</i> , 2011, 90, 379-387.	0.8	63
820	Maternal signals for progeny prevention against allergy and asthma. <i>Cellular and Molecular Life Sciences</i> , 2011, 68, 1851-1862.	2.4	13
821	The optimal conditions for the estimation of DNA methylation levels using high throughput microarray derived DNA immunoprecipitation (MeDIP)-enrichment in human bloods. <i>Toxicology and Environmental Health Sciences</i> , 2011, 3, 185-192.	1.1	1
822	MicroRNA-mediated drug resistance in breast cancer. <i>Clinical Epigenetics</i> , 2011, 2, 171-185.	1.8	156
823	COX-2 gene expression in colon cancer tissue related to regulating factors and promoter methylation status. <i>BMC Cancer</i> , 2011, 11, 238.	1.1	46
824	Histone modification enhances the effectiveness of IL-13 receptor targeted immunotoxin in murine models of human pancreatic cancer. <i>Journal of Translational Medicine</i> , 2011, 9, 37.	1.8	27
825	Epigenetic regulation of caloric restriction in aging. <i>BMC Medicine</i> , 2011, 9, 98.	2.3	152

#	ARTICLE	IF	CITATIONS
826	An integrative analysis of DNA methylation and RNA-Seq data for human heart, kidney and liver. <i>BMC Systems Biology</i> , 2011, 5, S4.	3.0	36
827	Neuroprotective peptide ADNF-9 in fetal brain of C57BL/6 mice exposed prenatally to alcohol. <i>Journal of Biomedical Science</i> , 2011, 18, 77.	2.6	2
828	The inhibition of the mammalian DNA methyltransferase 3a (Dnmt3a) by dietary black tea and coffee polyphenols. <i>BMC Biochemistry</i> , 2011, 12, 16.	4.4	56
829	Comprehensive profiling of zebrafish hepatic proximal promoter CpG island methylation and its modification during chemical carcinogenesis. <i>BMC Genomics</i> , 2011, 12, 3.	1.2	48
830	Discovery pipeline for epigenetically deregulated miRNAs in cancer: integration of primary miRNA transcription. <i>BMC Genomics</i> , 2011, 12, 54.	1.2	67
831	Profiling ascidian promoters as the primordial type of vertebrate promoter. <i>BMC Genomics</i> , 2011, 12, S7.	1.2	7
832	Functional complementation between transcriptional methylation regulation and post-transcriptional microRNA regulation in the human genome. <i>BMC Genomics</i> , 2011, 12, S15.	1.2	52
833	Disulfiram is a DNA demethylating agent and inhibits prostate cancer cell growth. <i>Prostate</i> , 2011, 71, 333-343.	1.2	158
837	Method to detect differentially methylated loci with case-control designs using Illumina arrays. <i>Genetic Epidemiology</i> , 2011, 35, 686-694.	0.6	40
838	The role of epigenetic transcription repression and DNA methyltransferases in cancer. <i>Cancer</i> , 2011, 117, 677-687.	2.0	94
839	A higher degree of methylation of the HPV 16 E6 gene is associated with a lower likelihood of being diagnosed with cervical intraepithelial neoplasia. <i>Cancer</i> , 2011, 117, 957-963.	2.0	46
840	Distinct nuclear localization patterns of DNA methyltransferases in developing and mature mammalian retina. <i>Journal of Comparative Neurology</i> , 2011, 519, 1914-1930.	0.9	47
842	Disrupting the Reader of Histone Language. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 5801-5803.	7.2	12
843	Spreading Chromatin into Chemical Biology. <i>ChemBioChem</i> , 2011, 12, 264-279.	1.3	67
844	Hematologic improvement and response in elderly AML/RAEB patients treated with valproic acid and low-dose Ara-C. <i>Leukemia Research</i> , 2011, 35, 991-997.	0.4	42
845	Xanthine Derivatives in the Heart: Blessed or Cursed?. <i>Current Medicinal Chemistry</i> , 2011, 18, 3695-3706.	1.2	18
846	Dynamics of bivalent chromatin domains upon drug induced reactivation and resilencing in cancer cells. <i>Epigenetics</i> , 2011, 6, 1138-1148.	1.3	7
847	MicroRNA 345, a methylation-sensitive microRNA is involved in cell proliferation and invasion in human colorectal cancer. <i>Carcinogenesis</i> , 2011, 32, 1207-1215.	1.3	100

#	ARTICLE	IF	CITATIONS
848	Echolocation call intensity and directionality in flying short-tailed fruit bats, <i>Carollia perspicillata</i> (Phyllostomidae). <i>Journal of the Acoustical Society of America</i> , 2011, 129, 427-435.	0.5	73
849	Epigenetic and inflammatory marker profiles associated with depression in a community-based epidemiologic sample. <i>Psychological Medicine</i> , 2011, 41, 997-1007.	2.7	156
850	Epigenetic mechanisms and cancer: An interface between the environment and the genome. <i>Epigenetics</i> , 2011, 6, 804-819.	1.3	204
851	Reversal of Endogenous Dopamine Receptor Silencing in Pituitary Cells Augments Receptor-Mediated Apoptosis. <i>Endocrinology</i> , 2011, 152, 364-373.	1.4	29
852	A Genome-Wide Study of DNA Methylation Patterns and Gene Expression Levels in Multiple Human and Chimpanzee Tissues. <i>PLoS Genetics</i> , 2011, 7, e1001316.	1.5	196
853	HDACi. <i>Journal of Dental Research</i> , 2011, 90, 1377-1388.	2.5	42
854	C6-ceramide synergistically potentiates the anti-tumor effects of histone deacetylase inhibitors via AKT dephosphorylation and $\beta$ -tubulin hyperacetylation both in vitro and in vivo. <i>Cell Death and Disease</i> , 2011, 2, e117-e117.	2.7	61
855	Methylation of the Human Pendrin Promoter. <i>Cellular Physiology and Biochemistry</i> , 2011, 28, 397-406.	1.1	8
856	Expression and promoter methylation analysis of ATP-binding cassette genes in pancreatic cancer. <i>Oncology Reports</i> , 2012, 27, 265-9.	1.2	33
857	Epigenetic reprogramming as a key contributor to melanocyte malignant transformation. <i>Epigenetics</i> , 2011, 6, 450-464.	1.3	39
858	Environment-Sensitive Epigenetics and the Heritability of Complex Diseases. <i>Genetics</i> , 2011, 189, 1377-1387.	1.2	89
859	Esculetin induced changes in Mmp13 and Bmp6 gene expression and histone H3 modifications attenuate development of glomerulosclerosis in diabetic rats. <i>Journal of Molecular Endocrinology</i> , 2011, 46, 245-254.	1.1	31
860	Low-Dose Decitabine Versus Best Supportive Care in Elderly Patients With Intermediate- or High-Risk Myelodysplastic Syndrome (MDS) Ineligible for Intensive Chemotherapy: Final Results of the Randomized Phase III Study of the European Organisation for Research and Treatment of Cancer Leukemia Group and the German MDS Study Group. <i>Journal of Clinical Oncology</i> , 2011, 29, 1987-1996.	0.8	514
861	Beyond genetics: epigenetic code in chronic kidney disease. <i>Kidney International</i> , 2011, 79, 23-32.	2.6	112
862	Epigenetic regulation of human $\beta$ -defensin 2 and CC chemokine ligand 20 expression in gingival epithelial cells in response to oral bacteria. <i>Mucosal Immunology</i> , 2011, 4, 409-419.	2.7	124
863	Translating epigenetics into an anticancer drug pipeline for solid tumors. <i>Expert Review of Medical Devices</i> , 2011, 8, 409-413.	1.4	19
864	Emergence of Fibroblasts with a Proinflammatory Epigenetically Altered Phenotype in Severe Hypoxic Pulmonary Hypertension. <i>Journal of Immunology</i> , 2011, 187, 2711-2722.	0.4	194
865	Epigenetic Therapy for Breast Cancer. <i>International Journal of Molecular Sciences</i> , 2011, 12, 4465-4476.	1.8	36



#	ARTICLE	IF	CITATIONS
866	Biological Mechanisms in Alcohol Dependence–New Perspectives. <i>Alcohol and Alcoholism</i> , 2011, 46, 224-230.	0.9	26
867	Nucleosomes Containing Methylated DNA Stabilize DNA Methyltransferases 3A/3B and Ensure Faithful Epigenetic Inheritance. <i>PLoS Genetics</i> , 2011, 7, e1001286.	1.5	103
868	Impact of Microbial Infections on the Human Epigenome and Carcinogenesis. , 2011, , 477-494.		0
869	Tissue Microarray-Based Evaluation of Chromatin Assembly Factor-1 (CAF-1)/p60 as Tumour Prognostic Marker. <i>International Journal of Molecular Sciences</i> , 2012, 13, 11044-11062.	1.8	23
870	The pituitary tumour epigenome: aberrations and prospects for targeted therapy. <i>Nature Reviews Endocrinology</i> , 2012, 8, 486-494.	4.3	36
871	Karyotype and DNA-Methylation Responses in Myelodysplastic Syndromes following Treatment with Traditional Chinese Formula Containing Arsenic. <i>Evidence-based Complementary and Alternative Medicine</i> , 2012, 2012, 1-8.	0.5	10
872	MINT31 methylation in gastric noninvasive neoplasia. <i>European Journal of Cancer Prevention</i> , 2012, 21, 442-448.	0.6	3
873	IL-13 receptor-directed cancer vaccines and immunotherapy. <i>Immunotherapy</i> , 2012, 4, 443-451.	1.0	14
874	CPTH6, a Thiazole Derivative, Induces Histone Hypoacetylation and Apoptosis in Human Leukemia Cells. <i>Clinical Cancer Research</i> , 2012, 18, 475-486.	3.2	47
875	Epigenetic Disregulation in Oral Cancer. <i>International Journal of Molecular Sciences</i> , 2012, 13, 2331-2353.	1.8	107
876	Epigenetic Modification of the Norepinephrine Transporter Gene in Postural Tachycardia Syndrome. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2012, 32, 1910-1916.	1.1	47
877	PGE2 induces interleukin-8 derepression in human astrocytoma through coordinated DNA demethylation and histone hyperacetylation. <i>Epigenetics</i> , 2012, 7, 1315-1330.	1.3	50
878	Combination of Valproic Acid and ATRA Restores RAR $\alpha$ 2 Expression and Induces Differentiation in Cervical Cancer through the PI3K/Akt Pathway. <i>Current Molecular Medicine</i> , 2012, 12, 342-354.	0.6	23
879	5-Azacytidine Makes Human Preadipocytes Able to Differentiate into Mesoderm-Derived Cell Lineages. <i>Stem Cells and Development</i> , 2012, 21, 76-85.	1.1	2
880	Systemic and Pulmonary Vascular Dysfunction in Children Conceived by Assisted Reproductive Technologies. <i>Circulation</i> , 2012, 125, 1890-1896.	1.6	264
882	Double Edge. <i>Journal of Dental Research</i> , 2012, 91, 235-241.	2.5	20
883	Epigenetic regulation of kallikrein-related peptidases: there is a whole new world out there. <i>Biological Chemistry</i> , 2012, 393, 319-330.	1.2	34
884	Methylation Markers for Urine-Based Detection of Bladder Cancer: The Next Generation of Urinary Markers for Diagnosis and Surveillance of Bladder Cancer. <i>Advances in Urology</i> , 2012, 2012, 1-11.	0.6	29

#	ARTICLE	IF	CITATIONS
885	Acetylated STAT3 is crucial for methylation of tumor-suppressor gene promoters and inhibition by resveratrol results in demethylation. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 7765-7769.	3.3	198
886	Epigenetic Augmentation of the Macrophage Inflammatory Protein 2/C-X-C Chemokine Receptor Type 2 Axis through Histone H3 Acetylation in Injured Peripheral Nerves Elicits Neuropathic Pain. Journal of Pharmacology and Experimental Therapeutics, 2012, 340, 577-587.	1.3	101
887	Glucose depletion activates mmu-miR-466h-5p expression through oxidative stress and inhibition of histone deacetylation. Nucleic Acids Research, 2012, 40, 7291-7302.	6.5	87
888	The expanding role of epigenetics. Global Cardiology Science & Practice, 2012, 2012, 7.	0.3	12
889	Epigenetic Deregulation of MicroRNAs: New Opportunities to Target Oncogenic Signaling Pathways in Hepatocellular Carcinoma. Current Pharmaceutical Design, 2012, 19, 1192-1200.	0.9	11
890	Aurora kinase A (AURKA) and never in mitosis gene A-related kinase 6 (NEK6) genes are upregulated in erosive esophagitis and esophageal adenocarcinoma. Experimental and Therapeutic Medicine, 2012, 4, 33-42.	0.8	15
891	Epigenetic Regulation and Colorectal Cancer. Diseases of the Colon and Rectum, 2012, 55, 96-104.	0.7	37
892	5-Methylcytosine Selective Photoligation Using Photoresponsive Oligonucleotides Containing Various 5-Vinyl-2-deoxyuridines Having an Aromatic Group. Chemistry Letters, 2012, 41, 47-49.	0.7	4
893	Circulating DNA-Important Biomarker of Cancer. Journal of Molecular Biomarkers & Diagnosis, 2012, s2, .	0.4	4
894	Epigenomics of cancer " emerging new concepts. Biochimie, 2012, 94, 2219-2230.	1.3	70
895	Global identification of genes regulated by estrogen signaling and demethylation in MCF-7 breast cancer cells. Biochemical and Biophysical Research Communications, 2012, 426, 26-32.	1.0	30
896	Molecular Pathogenesis of Melanoma: Established and Novel Pathways. , 2012, , 19-37.		0
897	Trials with "epigenetic"™ drugs: An update. Molecular Oncology, 2012, 6, 657-682.	2.1	208
898	DNA Methylation as a Biomarker for Neuropsychiatric Diseases. International Journal of Neuroscience, 2012, 122, 165-176.	0.8	29
899	Deficiency of H3K79 Histone Methyltransferase Dot1-like Protein (DOT1L) Inhibits Cell Proliferation. Journal of Biological Chemistry, 2012, 287, 5588-5599.	1.6	110
900	Epigenetics within the matrix. Epigenetics, 2012, 7, 987-993.	1.3	24
901	Pathophysiological Mechanisms of Carotid Plaque Vulnerability: Impact on Ischemic Stroke. Archivum Immunologiae Et Therapiae Experimentalis, 2012, 60, 431-442.	1.0	62
902	DNA methylation changes between relapse and remission of minimal change nephrotic syndrome. Pediatric Nephrology, 2012, 27, 2233-2241.	0.9	16

#	ARTICLE	IF	CITATIONS
903	DNA methyltransferase 3b (DNMT3b), tumor tissue DNA methylation, Gleason score, and prostate cancer mortality: investigating causal relationships. <i>Cancer Causes and Control</i> , 2012, 23, 1549-1555.	0.8	7
904	The use of THP-1 cells as a model for mimicking the function and regulation of monocytes and macrophages in the vasculature. <i>Atherosclerosis</i> , 2012, 221, 2-11.	0.4	298
905	Epigenetic changes brought about by perinatal stressors: A brief review of the literature. <i>Journal of Pharmacological and Toxicological Methods</i> , 2012, 66, 221-231.	0.3	9
906	Retrospective analysis of the clinical efficacy of a dendritic cell-based cancer vaccine in patients with advanced or recurrent breast cancer. <i>Personalized Medicine Universe</i> , 2012, 1, 25-32.	0.1	0
907	MicroRNAs and Lymph Node Metastatic Disease in Lung Cancer. <i>Thoracic Surgery Clinics</i> , 2012, 22, 167-175.	0.4	12
908	Inhibition of bromodomain-mediated protein-protein interactions as a novel therapeutic strategy. <i>MedChemComm</i> , 2012, 3, 123-134.	3.5	24
910	Systematic knockdown of epigenetic enzymes identifies a novel histone demethylase PHF8 overexpressed in prostate cancer with an impact on cell proliferation, migration and invasion. <i>Oncogene</i> , 2012, 31, 3444-3456.	2.6	112
912	The landscape for epigenetic/epigenomic biomedical resources. <i>Epigenetics</i> , 2012, 7, 982-986.	1.3	10
913	Immunotoxin resistance via reversible methylation of the DPH4 promoter is a unique survival strategy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 6898-6903.	3.3	49
914	Folate and DNA Methylation. <i>Antioxidants and Redox Signaling</i> , 2012, 17, 302-326.	2.5	87
915	KAP1 regulates gene networks controlling T cell development and responsiveness. <i>FASEB Journal</i> , 2012, 26, 4561-4575.	0.2	45
916	Indole-Derived Psammaphin A Analogues as Epigenetic Modulators with Multiple Inhibitory Activities. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 9467-9491.	2.9	48
917	Plant-derived polyphenols regulate expression of miRNA paralogs miR-103/107 and miR-122 and prevent diet-induced fatty liver disease in hyperlipidemic mice. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2012, 1820, 894-899.	1.1	117
918	Using peripheral blood circulating DNAs to detect CpG global methylation status and genetic mutations in patients with myelodysplastic syndrome. <i>Biochemical and Biophysical Research Communications</i> , 2012, 419, 662-669.	1.0	25
919	Preparation and characterization of DNA aptamer based spin column for enrichment and separation of histones. <i>Chemical Communications</i> , 2012, 48, 6684.	2.2	17
920	Hypoxia-induced DNA hypermethylation in human pulmonary fibroblasts is associated with Thy-1 promoter methylation and the development of a pro-fibrotic phenotype. <i>Respiratory Research</i> , 2012, 13, 74.	1.4	96
921	Methylation profiling of Epstein-Barr virus immediate-early gene promoters, BZLF1 and BRLF1 in tumors of epithelial, NK- and B-cell origins. <i>BMC Cancer</i> , 2012, 12, 125.	1.1	32
922	CD1d induction in solid tumor cells by histone deacetylase inhibitors through inhibition of HDAC1/2 and activation of Sp1. <i>Epigenetics</i> , 2012, 7, 390-399.	1.3	21

#	ARTICLE	IF	CITATIONS
923	Epigenomic Factors in Human Obesity. , 2012, , 273-296.		1
924	MicroRNAs in acute leukemia: from biological players to clinical contributors. <i>Leukemia</i> , 2012, 26, 1-12.	3.3	123
925	Asthma and Respiratory Allergic Disease. <i>Molecular and Integrative Toxicology</i> , 2012, , 51-101.	0.5	0
926	Linking epithelial-to-mesenchymal-transition and epigenetic modifications. <i>Seminars in Cancer Biology</i> , 2012, 22, 404-410.	4.3	31
927	Association of DNMT1 and DNMT3B polymorphisms with breast cancer risk in Han Chinese women from South China. <i>Genetics and Molecular Research</i> , 2012, 11, 4330-4341.	0.3	32
928	Epigenetics of Bladder Cancer. <i>Methods in Molecular Biology</i> , 2012, 863, 111-118.	0.4	11
929	A computational model for genetic and epigenetic signals in colon cancer. , 2012, , .		1
930	The Role of DNA Methylation in Aging, Rejuvenation, and Age-Related Disease. <i>Rejuvenation Research</i> , 2012, 15, 483-494.	0.9	307
931	DNA methyltransferase inhibitor RG108 and histone deacetylase inhibitors cooperate to enhance NB4 cell differentiation and E-cadherin re-expression by chromatin remodelling. <i>Cell Biology International</i> , 2012, 36, 1067-1078.	1.4	30
932	DNA methylation of TH1/TH2 cytokine genes affects sensitization and progress of experimental asthma. <i>Journal of Allergy and Clinical Immunology</i> , 2012, 129, 1602-1610.e6.	1.5	117
933	Antineoplastic activity of the DNA methyltransferase inhibitor 5-aza-2'-deoxycytidine in anaplastic large cell lymphoma. <i>Biochimie</i> , 2012, 94, 2297-2307.	1.3	51
934	NF- $\kappa$ B and epigenetic mechanisms as integrative regulators of brain resilience to anoxic stress. <i>Brain Research</i> , 2012, 1476, 203-210.	1.1	14
935	Genome-wide study of DNA methylation alterations in response to diazinon exposure in vitro. <i>Environmental Toxicology and Pharmacology</i> , 2012, 34, 959-968.	2.0	47
936	DNA methylation-based biomarkers in serum of patients with breast cancer. <i>Mutation Research - Reviews in Mutation Research</i> , 2012, 751, 304-325.	2.4	60
937	The sperm epigenome and potential implications for the developing embryo. <i>Reproduction</i> , 2012, 143, 727-734.	1.1	195
938	Transcription and Epigenetic Regulation. , 2012, , 3-42.		0
939	Epigenetic Influences That Modulate Infant Growth, Development, and Disease. <i>Antioxidants and Redox Signaling</i> , 2012, 17, 224-236.	2.5	44
940	The Epigenetic Code in Depression: Implications for Treatment. <i>Clinical Pharmacology and Therapeutics</i> , 2012, 91, 310-314.	2.3	28

#	ARTICLE	IF	CITATIONS
941	Risk-Association of DNA Methyltransferases Polymorphisms with Gastric Cancer in the Southern Chinese Population. <i>International Journal of Molecular Sciences</i> , 2012, 13, 8364-8378.	1.8	45
942	The ablation of EZH2 uncovers its crucial role in rhabdomyosarcoma formation. <i>Cell Cycle</i> , 2012, 11, 3828-3836.	1.3	47
943	Pharmacokinetics and tissue distribution of psammaplin A, a novel anticancer agent, in mice. <i>Archives of Pharmacal Research</i> , 2012, 35, 1849-1854.	2.7	15
944	Immunotoxicity, Immune Dysfunction, and Chronic Disease. <i>Molecular and Integrative Toxicology</i> , 2012, , .	0.5	4
945	Discovery and activity profiling of thailandepsins A through F, potent histone deacetylase inhibitors, from <i>Burkholderia thailandensis</i> E264. <i>MedChemComm</i> , 2012, 3, 976.	3.5	38
946	Interleukin-6 Gene Promoter Methylation in Rheumatoid Arthritis and Chronic Periodontitis. <i>Journal of Periodontology</i> , 2012, 83, 917-925.	1.7	102
948	DNA Methylation Changes in Cervical Cancers. <i>Methods in Molecular Biology</i> , 2012, 863, 155-176.	0.4	26
949	Examining Histone Posttranslational Modification Patterns by High-Resolution Mass Spectrometry. <i>Methods in Enzymology</i> , 2012, 512, 3-28.	0.4	106
950	Cancer Epigenetics. <i>Methods in Molecular Biology</i> , 2012, , .	0.4	5
951	Transcriptional Silencing of the Wnt-Antagonist DKK1 by Promoter Methylation Is Associated with Enhanced Wnt Signaling in Advanced Multiple Myeloma. <i>PLoS ONE</i> , 2012, 7, e30359.	1.1	41
952	The Dynamic Changes of DNA Methylation and Histone Modifications of Salt Responsive Transcription Factor Genes in Soybean. <i>PLoS ONE</i> , 2012, 7, e41274.	1.1	147
953	Diagnosis of Bladder Cancer Recurrence Based on Urinary Levels of EOMES, HOXA9, POU4F2, TWIST1, VIM, and ZNF154 Hypermethylation. <i>PLoS ONE</i> , 2012, 7, e46297.	1.1	112
954	Epigenetic mechanisms of plant-derived anticancer drugs. <i>Frontiers in Bioscience - Landmark</i> , 2012, 17, 129.	3.0	46
955	Infant development in family context: call for a genetically informed approach. <i>Frontiers in Genetics</i> , 2012, 3, 167.	1.1	1
956	MicroRNAs in cancers and neurodegenerative disorders. <i>Frontiers in Genetics</i> , 2012, 3, 194.	1.1	54
957	Epigenetic epidemiology. , 0, , 505-513.		0
958	Breaking the Silence: The Interplay Between Transcription Factors and DNA Methylation. , 0, , .		4
959	Therapy of Airway Disease. , 2012, , 387-393.		0

#	ARTICLE	IF	CITATIONS
960	Fibrosis: is it a coactivator disease?. <i>Frontiers in Bioscience - Elite</i> , 2012, E4, 1556.	0.9	11
961	Fibrosis is it a coactivator disease. <i>Frontiers in Bioscience - Elite</i> , 2012, E4, 1556-1570.	0.9	20
962	Understanding epigenetic effects in crop species. <i>African Journal of Plant Science</i> , 2012, 6, 355-363.	0.4	1
963	Molecular Mechanisms Governing IL-24 Gene Expression. <i>Immune Network</i> , 2012, 12, 1.	1.6	18
964	<i>Saccharomyces cerevisiae</i> as a model system to study the response to anticancer agents. <i>Cancer Chemotherapy and Pharmacology</i> , 2012, 70, 491-502.	1.1	39
965	Molecular markers of adrenocortical tumors. <i>Journal of Surgical Oncology</i> , 2012, 106, 549-556.	0.8	14
966	The discovery of novel 10,11-dihydro-5H-dibenz[b,f]azepine SIRT2 inhibitors. <i>MedChemComm</i> , 2012, 3, 373.	3.5	21
967	Epigenetic cancer therapy: rationales, targets and drugs. <i>Oncogene</i> , 2012, 31, 4257-4265.	2.6	136
969	Curcumin – From Molecule to Biological Function. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 5308-5332.	7.2	684
970	Mediators of induced pluripotency and their role in cancer cells – current scientific knowledge and future perspectives. <i>Biotechnology Journal</i> , 2012, 7, 810-821.	1.8	47
971	Synergetic effects of DNA demethylation and histone deacetylase inhibition in primary rat hepatocytes. <i>Investigational New Drugs</i> , 2012, 30, 1715-1724.	1.2	14
972	Mechanisms affecting neuroendocrine and epigenetic regulation of body weight and onset of puberty: Potential implications in the child born small for gestational age (SGA). <i>Reviews in Endocrine and Metabolic Disorders</i> , 2012, 13, 129-140.	2.6	32
973	Cutting-Edge Issues in Primary Biliary Cirrhosis. <i>Clinical Reviews in Allergy and Immunology</i> , 2012, 42, 342-354.	2.9	15
974	Changes in micro RNA expression in a wild tuber-bearing <i>Solanum</i> species induced by 5-Azacytidine treatment. <i>Plant Cell Reports</i> , 2012, 31, 1449-1461.	2.8	35
975	Epigenetics and psoriasis. <i>Journal of the European Academy of Dermatology and Venereology</i> , 2012, 26, 399-403.	1.3	39
976	HDAC6 at the Intersection of Neuroprotection and Neurodegeneration. <i>Traffic</i> , 2012, 13, 771-779.	1.3	63
977	Epigenetic Alterations in Ultraviolet Radiation-Induced Skin Carcinogenesis: Interaction of Bioactive Dietary Components on Epigenetic Targets. <i>Photochemistry and Photobiology</i> , 2012, 88, 1066-1074.	1.3	56
978	Increased promoter methylation of the immune regulatory gene SHP-1 in leukocytes of multiple sclerosis subjects. <i>Journal of Neuroimmunology</i> , 2012, 246, 51-57.	1.1	59

#	ARTICLE	IF	CITATIONS
979	The role of zinc in genomic stability. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2012, 733, 111-121.	0.4	126
980	The tobacco-specific carcinogen NNK induces DNA methyltransferase 1 accumulation in Laryngeal carcinoma. <i>Oral Oncology</i> , 2012, 48, 541-546.	0.8	12
981	Cancer therapy and vaccination. <i>Journal of Immunological Methods</i> , 2012, 382, 1-23.	0.6	58
982	Lysine methyltransferase G9a is not required for DNMT3A/3B anchoring to methylated nucleosomes and maintenance of DNA methylation in somatic cells. <i>Epigenetics and Chromatin</i> , 2012, 5, 3.	1.8	20
983	Enhancer of zeste homolog 2 is a novel prognostic biomarker in nonsmall cell lung cancer. <i>Cancer</i> , 2012, 118, 1599-1606.	2.0	78
984	Small Molecule Inhibitors of Histone Acetyltransferases as Epigenetic Tools and Drug Candidates. <i>Archiv Der Pharmazie</i> , 2012, 345, 7-21.	2.1	76
985	DNA methylation biomarker candidates for early detection of colon cancer. <i>Tumor Biology</i> , 2012, 33, 363-372.	0.8	57
986	Detection of aberrant promoter methylation of GSTP1, RASSF1A, and RAR $\beta$ 2 in serum DNA of patients with breast cancer by a newly established one-step methylation-specific PCR assay. <i>Breast Cancer Research and Treatment</i> , 2012, 132, 165-173.	1.1	72
987	Epigenetics and its role in male infertility. <i>Journal of Assisted Reproduction and Genetics</i> , 2012, 29, 213-223.	1.2	176
988	RUNX3 is involved in caspase-3-dependent apoptosis induced by a combination of 5-aza-CdR and TSA in leukaemia cell lines. <i>Journal of Cancer Research and Clinical Oncology</i> , 2012, 138, 439-449.	1.2	7
989	Histone Regulation in the CNS: Basic Principles of Epigenetic Plasticity. <i>Neuropsychopharmacology</i> , 2013, 38, 3-22.	2.8	118
990	Epigenetic Regulation and Measurement of Epigenetic Changes. <i>Biological Research for Nursing</i> , 2013, 15, 373-381.	1.0	35
991	Histone deacetylase inhibitors up-regulate LL-37 expression independent of toll-like receptor mediated signalling in airway epithelial cells. <i>Journal of Inflammation</i> , 2013, 10, 15.	1.5	23
992	Pharmacokinetic and pharmacodynamic analysis of 5-aza-2'-deoxycytidine (decitabine) in the design of its dose-schedule for cancer therapy. <i>Clinical Epigenetics</i> , 2013, 5, 3.	1.8	177
993	A multiplex methylation-specific PCR assay for the detection of early-stage ovarian cancer using cell-free serum DNA. <i>Gynecologic Oncology</i> , 2013, 130, 132-139.	0.6	82
994	Toxicological evaluation of microcystins in aquatic fish species: Current knowledge and future directions. <i>Aquatic Toxicology</i> , 2013, 142-143, 1-16.	1.9	67
995	T-Cell Lymphomas. , 2013, , .		1
996	Association between birth weight and DNA methylation of <i>IGF2</i> , glucocorticoid receptor and repetitive elements LINE-1 and <i>Alu</i> . <i>Epigenomics</i> , 2013, 5, 271-281.	1.0	72



#	ARTICLE	IF	CITATIONS
997	The role of DNA methylation as biomarkers in the clinical management of lung cancer. <i>Expert Review of Respiratory Medicine</i> , 2013, 7, 363-383.	1.0	35
999	Histone mimics: digging down under. <i>Frontiers in Biology</i> , 2013, 8, 228-233.	0.7	4
1000	Therapeutic targets associated to E-cadherin dysfunction in gastric cancer. <i>Expert Opinion on Therapeutic Targets</i> , 2013, 17, 1187-1201.	1.5	21
1001	Nutrition and neurodevelopment in children: focus on NUTRIMENTHE project. <i>European Journal of Nutrition</i> , 2013, 52, 1825-1842.	1.8	103
1002	Combination of Azacitidine and Lenalidomide in Myelodysplastic Syndromes or acute Myeloid Leukemia—a wise Liaison?. <i>Leukemia</i> , 2013, 27, 1813-1819.	3.3	37
1003	Cancer Biology: Some Causes for a Variety of Different Diseases. , 2013, , 121-159.		1
1004	Cocaine represses protein phosphatase-1C <sup>2</sup> through DNA methylation and Methyl-CpG Binding Protein-2 recruitment in adult rat brain. <i>Neuropharmacology</i> , 2013, 73, 31-40.	2.0	54
1005	Two non-coding RNAs, MicroRNA-101 and HOTTIP contribute cartilage integrity by epigenetic and homeotic regulation of integrin-1. <i>Cellular Signalling</i> , 2013, 25, 2878-2887.	1.7	72
1006	A regulatory circuit of miR-148a/152 and DNMT1 in modulating cell transformation and tumor angiogenesis through IGF-IR and IRS1. <i>Journal of Molecular Cell Biology</i> , 2013, 5, 3-13.	1.5	242
1007	Combating the epigenome: epigenetic drugs against non-Hodgkin's lymphoma. <i>Epigenomics</i> , 2013, 5, 397-415.	1.0	16
1008	Epigenetics of Inflammatory Bowel Disease. , 2013, , 171-187.		0
1009	Molecular Genetics of Inflammatory Bowel Disease. , 2013, , .		0
1010	Enzyme-Dependent Lysine Deprotonation in EZH2 Catalysis. <i>Biochemistry</i> , 2013, 52, 6866-6878.	1.2	20
1011	Development of DANDYs, New 3,5-Diaryl-7-azaindoles Demonstrating Potent DYRK1A Kinase Inhibitory Activity. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 9569-9585.	2.9	55
1012	Epigenetics of Neural Repair Following Spinal Cord Injury. <i>Neurotherapeutics</i> , 2013, 10, 757-770.	2.1	31
1013	An electrochemical one-step system for assaying methyltransferase activity based on transport of a quantum dot signaling tracer. <i>Biosensors and Bioelectronics</i> , 2013, 49, 542-546.	5.3	30
1014	Epigenetics and ncRNAs in Brain Function and Disease: Mechanisms and Prospects for Therapy. <i>Neurotherapeutics</i> , 2013, 10, 621-631.	2.1	45
1015	LINE-1 hypomethylation in gastric cancer, detected by bisulfite pyrosequencing, is associated with poor prognosis. <i>Gastric Cancer</i> , 2013, 16, 480-487.	2.7	82

#	ARTICLE	IF	CITATIONS
1016	Increased expression of Trop2 correlates with poor survival in extranodal NK/T cell lymphoma, nasal type. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2013, 463, 713-719.	1.4	27
1017	Environmental Epigenomics in Health and Disease. <i>Epigenetics and Human Health</i> , 2013, , .	0.2	3
1018	Expression, polymorphism and methylation pattern of interleukin-6 in periodontal tissues. <i>Immunobiology</i> , 2013, 218, 1012-1017.	0.8	56
1019	Targeting Epigenetics for the Treatment of Prostate Cancer: Recent Progress and Future Directions. <i>Seminars in Oncology</i> , 2013, 40, 393-401.	0.8	7
1021	Facile Fluorescence-Based Detection of PAD4-Mediated Citrullination. <i>ChemBioChem</i> , 2013, 14, 963-967.	1.3	22
1022	Role of Stromal-Epithelial Interaction in the Formation and Development of Cancer Cells. <i>Cancer Microenvironment</i> , 2013, 6, 193-202.	3.1	7
1023	Preparation of phenylethylbenzamide derivatives as modulators of DNMT3 activity. <i>MedChemComm</i> , 2013, 4, 1562.	3.5	24
1024	Elevated KIAA0101 expression is a marker of recurrence in human gastric cancer. <i>Cancer Science</i> , 2013, 104, 353-359.	1.7	37
1025	Analyzing the cancer methylome through targeted bisulfite sequencing. <i>Cancer Letters</i> , 2013, 340, 171-178.	3.2	75
1026	SPARC and DNA methylation: Possible diagnostic and therapeutic implications in gastrointestinal cancers. <i>Cancer Letters</i> , 2013, 328, 10-17.	3.2	28
1027	LSD2/KDM1B and Its Cofactor NPAC/GLYR1 Endow a Structural and Molecular Model for Regulation of H3K4 Demethylation. <i>Molecular Cell</i> , 2013, 49, 558-570.	4.5	81
1029	Methylation of Peptides and Proteins: An Important Element for Modulating Biological Functions. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 254-269.	7.2	387
1030	On the role of retinoblastoma family proteins in the establishment and maintenance of the epigenetic landscape. <i>Journal of Cellular Physiology</i> , 2013, 228, 276-284.	2.0	24
1031	Non-promoter DNA hypermethylation of Zygote Arrest 1 (ZAR1) in neuroblastomas. <i>Journal of Pediatric Surgery</i> , 2013, 48, 782-788.	0.8	11
1032	Complex networks of multiple factors in the pathogenesis of uterine leiomyoma. <i>Fertility and Sterility</i> , 2013, 100, 178-193.	0.5	150
1033	El estudio de la metilaci3n del ADN en el c3ncer urol3gico: presente y futuro. <i>Actas Urol3gicas Espa3olas</i> , 2013, 37, 368-375.	0.3	18
1034	The study of DNA methylation in urological cancer: Present and future. <i>Actas Urol3gicas Espa3olas (English Edition)</i> , 2013, 37, 368-375.	0.2	14
1035	HDAC inhibitor DWP0016 suppresses miR-22 to induce growth inhibition and apoptosis via p53-independent PTEN activation in neuroblastoma SH-SY5Y cells. <i>Process Biochemistry</i> , 2013, 48, 1133-1142.	1.8	2

#	ARTICLE	IF	CITATIONS
1036	Genome-wide DNA methylation patterns in discordant sib pairs with alcohol dependence. <i>Asia-Pacific Psychiatry</i> , 2013, 5, 39-50.	1.2	47
1037	Methylation Pattern of IFNG in Periapical Granulomas and Radicular Cysts. <i>Journal of Endodontics</i> , 2013, 39, 493-496.	1.4	20
1038	Persistent overexpression of DNA methyltransferase 1 attenuating GABAergic inhibition in basolateral amygdala accounts for anxiety in rat offspring exposed perinatally to low-dose bisphenol A. <i>Journal of Psychiatric Research</i> , 2013, 47, 1535-1544.	1.5	45
1039	Ethanol Induces Epigenetic Modulation of Prodynorphin and Pronociceptin Gene Expression in the Rat Amygdala Complex. <i>Journal of Molecular Neuroscience</i> , 2013, 49, 312-319.	1.1	71
1040	Perspectives on natural product epigenetic modulators in chemical biology and medicine. <i>Natural Product Reports</i> , 2013, 30, 605.	5.2	52
1041	Emerging role of epigenetics and miRNA in diabetic cardiomyopathy. <i>Cardiovascular Pathology</i> , 2013, 22, 117-125.	0.7	71
1042	Next-Generation Sequencing: From Understanding Biology to Personalized Medicine. <i>Biology</i> , 2013, 2, 378-398.	1.3	35
1043	A DNA Methyltransferase Inhibitor, 5-Aza-2-Deoxycytidine, Exacerbates Neurotoxicity and Upregulates Parkinson's Disease-Related Genes in Dopaminergic Neurons. <i>CNS Neuroscience and Therapeutics</i> , 2013, 19, 183-190.	1.9	53
1044	The future of epigenetic therapy in solid tumours—lessons from the past. <i>Nature Reviews Clinical Oncology</i> , 2013, 10, 256-266.	12.5	299
1045	Structure-activity relationships for 4-anilinoquinoline derivatives as inhibitors of the DNA methyltransferase enzyme DNMT1. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 3147-3153.	1.4	13
1046	Role of Epigenetics in Inflammation-Associated Diseases. <i>Sub-Cellular Biochemistry</i> , 2013, 61, 627-657.	1.0	107
1047	Nucleosome Occupancy and Gene Regulation During Tumorigenesis. <i>Advances in Experimental Medicine and Biology</i> , 2013, 754, 109-134.	0.8	7
1048	From neural development to cognition: unexpected roles for chromatin. <i>Nature Reviews Genetics</i> , 2013, 14, 347-359.	7.7	420
1049	Selenomethylene Locked Nucleic Acid Enables Reversible Hybridization in Response to Redox Changes. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 5074-5078.	7.2	22
1050	Metabolic syndrome components are associated with DNA hypomethylation. <i>Obesity Research and Clinical Practice</i> , 2013, 7, e106-e115.	0.8	62
1051	Synthesis and spectroscopic properties of fluorescent 5-benzimidazolyl-2-deoxyuridines 5-fdU probes obtained from o-phenylenediamine derivatives. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 1610.	1.5	23
1052	Enrichment of cis-regulatory gene expression SNPs and methylation quantitative trait loci among bipolar disorder susceptibility variants. <i>Molecular Psychiatry</i> , 2013, 18, 340-346.	4.1	153
1053	Curcumin as a regulator of epigenetic events. <i>Molecular Nutrition and Food Research</i> , 2013, 57, 1619-1629.	1.5	137

#	ARTICLE	IF	CITATIONS
1054	The role of miRNA-29 family in cancer. <i>European Journal of Cell Biology</i> , 2013, 92, 123-128.	1.6	186
1056	Epigenetic biomarkers in laboratory diagnostics: emerging approaches and opportunities. <i>Expert Review of Molecular Diagnostics</i> , 2013, 13, 457-471.	1.5	54
1057	Genome-wide methylation analyses identify a subset of mantle cell lymphoma with a high number of methylated CpGs and aggressive clinicopathological features. <i>International Journal of Cancer</i> , 2013, 133, 2852-2863.	2.3	15
1058	Serine, glycine and one-carbon units: cancer metabolism in full circle. <i>Nature Reviews Cancer</i> , 2013, 13, 572-583.	12.8	1,221
1059	MicroRNA-29b contributes to DNA hypomethylation of CD4+ T cells in systemic lupus erythematosus by indirectly targeting DNA methyltransferase 1. <i>Journal of Dermatological Science</i> , 2013, 69, 61-67.	1.0	99
1060	An electrochemical assay for DNA methylation, methyltransferase activity and inhibitor screening based on methyl binding domain protein. <i>Biosensors and Bioelectronics</i> , 2013, 41, 492-497.	5.3	52
1061	Maternal Obesity – The Road to Diabetes and Cardiovascular Risk. , 2013, , 503-514.		0
1062	Epigenetic aspects of MDS and its molecular targeted therapy. <i>International Journal of Hematology</i> , 2013, 97, 175-182.	0.7	23
1063	A computational model for genetic and epigenetic signals in colon cancer. <i>Interdisciplinary Sciences, Computational Life Sciences</i> , 2013, 5, 175-186.	2.2	7
1064	Hypermethylation of CpG islands is more prevalent than hypomethylation across the entire genome in breast carcinogenesis. <i>Clinical and Experimental Medicine</i> , 2013, 13, 1-9.	1.9	14
1065	From cell phenotype to epigenetic mechanisms: new insights into regenerating myocardium. <i>Canadian Journal of Physiology and Pharmacology</i> , 2013, 91, 579-585.	0.7	6
1066	Real Time in Vitro Regulation of DNA Methylation Using a 5-Fluorouracil Conjugated DNA-Based Stimuli-Responsive Platform. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 2604-2609.	4.0	7
1067	Identification of aberrant methylation regions in neuroblastoma by screening of tissue-specific differentially methylated regions. <i>Pediatric Blood and Cancer</i> , 2013, 60, 383-389.	0.8	9
1068	Histone Deacetylase Inhibitors as Potential Therapeutic Agents for the Treatment of Malignant Mesothelioma. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2013, 13, 476-482.	0.9	5
1069	Quantitative identification of differentially methylated loci based on relative entropy for matched case-control data. <i>Epigenomics</i> , 2013, 5, 631-643.	1.0	6
1070	Decitabine for the treatment of acute myeloid leukemia. <i>Expert Opinion on Orphan Drugs</i> , 2013, 1, 661-673.	0.5	3
1071	Designing DNA interstrand lock for locus-specific methylation detection in a nanopore. <i>Scientific Reports</i> , 2013, 3, 2381.	1.6	29
1072	The Role for Epigenetic Modifications in Pain and Analgesia Response. <i>Nursing Research and Practice</i> , 2013, 2013, 1-6.	0.4	12

#	ARTICLE	IF	CITATIONS
1073	<i>ppENK</i> Gene Methylation Status in the Development of Pancreatic Carcinoma. <i>Gastroenterology Research and Practice</i> , 2013, 2013, 1-8.	0.7	8
1074	Promoter polymorphisms of DNA methyltransferase 3B and risk of hepatocellular carcinoma. <i>Biomedical Reports</i> , 2013, 1, 771-775.	0.9	15
1075	Early Detection of Oral Squamous Cell Carcinoma ( OSCC ) – Role of Genetics: A Literature Review. <i>Journal of Clinical and Diagnostic Research JCDR</i> , 2013, 7, 1824-6.	0.8	10
1076	Quantitative PCR as an Alternative in the Diagnosis of Long-QT Syndrome. <i>BioMed Research International</i> , 2013, 2013, 1-8.	0.9	1
1077	Epigenetic-induced dysregulation of arteriolar vasomotion as a possible cause of essential hypertension and therapeutic importance of Mg ions. <i>Trace Elements and Electrolytes</i> , 2013, 30, 94-99.	0.1	0
1078	A systematic review of hypermethylation of p16 gene in esophageal cancer. <i>Cancer Biomarkers</i> , 2013, 13, 215-226.	0.8	18
1079	Formulation and evaluation of drug-loaded targeted magnetic microspheres for cancer therapy. <i>International Journal of Nanomedicine</i> , 2013, 8, 1393.	3.3	36
1080	Methylated DNA and microRNA in Body Fluids as Biomarkers for Cancer Detection. <i>International Journal of Molecular Sciences</i> , 2013, 14, 10307-10331.	1.8	37
1081	An Emerging Role for Long Non-Coding RNA Dysregulation in Neurological Disorders. <i>International Journal of Molecular Sciences</i> , 2013, 14, 20427-20442.	1.8	62
1082	Alterations of DNA methylome in human bladder cancer. <i>Epigenetics</i> , 2013, 8, 1013-1022.	1.3	55
1083	Epigenetic silencing of BLU through interfering apoptosis results in chemoresistance and poor prognosis of ovarian serous carcinoma patients. <i>Endocrine-Related Cancer</i> , 2013, 20, 213-227.	1.6	19
1084	A new genetics or an epiphenomenon? Variations in the discourse of epigenetics researchers. <i>New Genetics and Society</i> , 2013, 32, 366-384.	0.7	29
1085	The Role of Human Equilibrative Nucleoside Transporter 1 on the Cellular Transport of the DNA Methyltransferase Inhibitors 5-Azacytidine and CP-4200 in Human Leukemia Cells. <i>Molecular Pharmacology</i> , 2013, 84, 438-450.	1.0	45
1086	Der Äœber-Code der DNA: epigenetische Mechanismen und deren Bedeutung f¼r die Entstehung von Krankheiten. <i>Laboratoriums Medizin</i> , 2013, 37, .	0.1	0
1087	Epigenetic DNA changes and stem cells therapy. <i>Archive of Oncology</i> , 2013, 21, 24-27.	0.2	0
1088	DNA Methylation and Cancer. <i>Sub-Cellular Biochemistry</i> , 2013, 61, 597-625.	1.0	38
1089	Nickel alloys in the oral environment. <i>Expert Review of Medical Devices</i> , 2013, 10, 519-539.	1.4	20
1090	HDAC inhibitor DWP0016 activates p53 transcription and acetylation to inhibit cell growth in U251 glioblastoma cells. <i>Journal of Cellular Biochemistry</i> , 2013, 114, 1498-1509.	1.2	24

#	ARTICLE	IF	CITATIONS
1091	Global and gene-specific promoter methylation analysis in primary hyperparathyroidism. <i>Epigenetics</i> , 2013, 8, 646-655.	1.3	45
1092	MicroRNAs miR-30b, miR-30d, and miR-494 Regulate Human Endometrial Receptivity. <i>Reproductive Sciences</i> , 2013, 20, 308-317.	1.1	169
1093	DNA methylation and nucleosome occupancy regulate the cancer germline antigen gene <i>MAGEA11</i> . <i>Epigenetics</i> , 2013, 8, 849-863.	1.3	47
1094	Epigenetics of melanoma: implications for immune-based therapies. <i>Immunotherapy</i> , 2013, 5, 1103-1116.	1.0	18
1095	Buckled structures and 5-azacytidine enhance cardiogenic differentiation of adipose-derived stem cells. <i>Nanomedicine</i> , 2013, 8, 1985-1997.	1.7	18
1096	- Fucoidan: A Potential Ingredient of Marine Nutraceuticals. , 2013, , 152-171.		0
1097	Cancer Chemoprevention by Traditional Chinese Herbal Medicine and Dietary Phytochemicals: Targeting Nrf2-Mediated Oxidative Stress/Anti-Inflammatory Responses, Epigenetics, and Cancer Stem Cells. <i>Journal of Traditional and Complementary Medicine</i> , 2013, 3, 69-79.	1.5	35
1098	Epigenetic regulation of the human telomerase reverse transcriptase gene: A potential therapeutic target for the treatment of leukemia (Review). <i>Oncology Letters</i> , 2013, 6, 317-322.	0.8	20
1100	A Survey on Structural Analysis of Nucleosome Core Particles. <i>Current Bioinformatics</i> , 2013, 8, 112-132.	0.7	0
1101	DNMT3A $\text{G} \rightarrow \text{A}$ polymorphism and the risk for hepatocellular carcinoma. <i>Biomedical Reports</i> , 2013, 1, 664-668.	0.9	12
1102	Epigenetics in Twin Studies. <i>Medical Epigenetics</i> , 2013, 1, 78-87.	262.3	9
1103	Epigenetics and Novel Therapeutic Approaches. <i>Journal of Molecular and Genetic Medicine: an International Journal of Biomedical Research</i> , 2013, 07, .	0.1	0
1104	Specific Targeted Therapy: A New Tool for the Destruction of Cancer. <i>Current Drug Therapy</i> , 2013, 8, 15-23.	0.2	0
1105	Asthma and epigenetics. <i>Allergy Asthma &amp; Respiratory Disease</i> , 2013, 1, 4.	0.3	0
1106	EXPERIMENTAL CARDIOVASCULAR AND LUNG RESEARCH From mutation to methylation – molecular markers in lung cancer. <i>Kardiochirurgia I Torakochirurgia Polska</i> , 2013, 2, 148-153.	0.1	0
1107	Disappearance of Serum Methylated p16 Indicates Longer Survival in Patients with Gastric Cancer. <i>Journal of Gastric Cancer</i> , 2013, 13, 157.	0.9	10
1108	Cancer Epigenetics: Mechanisms and Crosstalk of a HDAC Inhibitor, Vorinostat. <i>Chemotherapy</i> , 2013, 02, .	0.0	18
1109	Epigenetic changes in colorectal cancer. <i>Chinese Journal of Cancer</i> , 2013, 32, 21-30.	4.9	53

#	ARTICLE	IF	CITATIONS
1110	Quality Evaluation of Methyl Binding Domain Based Kits for Enrichment DNA-Methylation Sequencing. PLoS ONE, 2013, 8, e59068.	1.1	50
1111	Multiple-to-Multiple Relationships between MicroRNAs and Target Genes in Gastric Cancer. PLoS ONE, 2013, 8, e62589.	1.1	199
1112	RuvBL2 Is Involved in Histone Deacetylase Inhibitor PCI-24781-Induced Cell Death in SK-N-DZ Neuroblastoma Cells. PLoS ONE, 2013, 8, e71663.	1.1	11
1113	Oncogenic Features of PHF8 Histone Demethylase in Esophageal Squamous Cell Carcinoma. PLoS ONE, 2013, 8, e77353.	1.1	53
1114	Combining Position Weight Matrices and Document-Term Matrix for Efficient Extraction of Associations of Methylated Genes and Diseases from Free Text. PLoS ONE, 2013, 8, e77848.	1.1	11
1115	Expression and Methylation of Mitochondrial Transcription Factor A in Chronic Obstructive Pulmonary Disease Patients with Lung Cancer. PLoS ONE, 2013, 8, e82739.	1.1	28
1116	Exploiting tumor epigenetics to improve oncolytic virotherapy. Frontiers in Genetics, 2013, 4, 184.	1.1	19
1117	Genetics and epigenetics of arrhythmia and heart failure. Frontiers in Genetics, 2013, 4, 219.	1.1	59
1118	Enhancing systems medicine beyond genotype data by dynamic patient signatures: having information and using it too. Frontiers in Genetics, 2013, 4, 241.	1.1	4
1119	Alcohol and NMDA receptor: current research and future direction. Frontiers in Molecular Neuroscience, 2013, 6, 14.	1.4	77
1120	Health Promoting Effects of Brassica-Derived Phytochemicals: From Chemopreventive and Anti-Inflammatory Activities to Epigenetic Regulation. Oxidative Medicine and Cellular Longevity, 2013, 2013, 1-12.	1.9	95
1121	Metabolomic Fingerprinting: Challenges and Opportunities. Critical Reviews in Biomedical Engineering, 2013, 41, 205-221.	0.5	115
1123	Epigenetic Switch at Atp2a2 and Myh7 Gene Promoters in Pressure Overload-Induced Heart Failure. PLoS ONE, 2014, 9, e106024.	1.1	42
1124	Imprinted Genes and the Environment: Links to the Toxic Metals Arsenic, Cadmium and Lead. Genes, 2014, 5, 477-496.	1.0	22
1125	Genetic aspects of autism spectrum disorders: insights from animal models. Frontiers in Cellular Neuroscience, 2014, 8, 58.	1.8	111
1126	Exploring the Complexity of Intellectual Disability in Fetal Alcohol Spectrum Disorders. Frontiers in Pediatrics, 2014, 2, 90.	0.9	36
1127	Epigenetic Mechanisms Underlying the Link between Non-Alcoholic Fatty Liver Diseases and Nutrition. Nutrients, 2014, 6, 3303-3325.	1.7	93
1128	Clinical significance of promoter region hypermethylation of microRNA-148a in gastrointestinal cancers. OncoTargets and Therapy, 2014, 7, 853.	1.0	11



#	ARTICLE	IF	CITATIONS
1129	Mechanisms of Cell Regeneration – From Differentiation to Maintenance of Cell Phenotype. , 0, , .		7
1133	Epigenetic silencing of Na,K-ATPase $\alpha$ 1 subunit gene <i>ATP1B1</i> by methylation in clear cell renal cell carcinoma. <i>Epigenetics</i> , 2014, 9, 579-586.	1.3	31
1134	Epigenetics in extracellular matrix remodeling and hyaluronan metabolism. <i>FEBS Journal</i> , 2014, 281, 4980-4992.	2.2	51
1136	Deep Sequencing the microRNA profile in rhabdomyosarcoma reveals down-regulation of miR-378 family members. <i>BMC Cancer</i> , 2014, 14, 880.	1.1	56
1137	An update on RNA interference-mediated gene silencing in cancer therapy. <i>Expert Opinion on Biological Therapy</i> , 2014, 14, 1581-1592.	1.4	17
1138	SNP-guided identification of monoallelic DNA-methylation events from enrichment-based sequencing data. <i>Nucleic Acids Research</i> , 2014, 42, e157-e157.	6.5	6
1139	Epigenetic regulation of human cytomegalovirus latency: an update. <i>Epigenomics</i> , 2014, 6, 533-546.	1.0	17
1140	The use of imaging and biomarkers in diagnosing Barrett's esophagus and predicting the risk of neoplastic progression. <i>Expert Review of Molecular Diagnostics</i> , 2014, 14, 575-591.	1.5	5
1141	Perspectives on the mechanism of transcriptional regulation by long non-coding RNAs. <i>Epigenetics</i> , 2014, 9, 13-20.	1.3	124
1142	Fetal alcohol spectrum disorders and their transmission through genetic and epigenetic mechanisms. <i>Frontiers in Genetics</i> , 2014, 5, 154.	1.1	72
1143	Epigenetic modulation in the treatment of atherosclerotic disease. <i>Frontiers in Genetics</i> , 2014, 5, 364.	1.1	39
1144	Structural Competency as a Framework for Training in Counseling Psychology. <i>Counseling Psychologist</i> , 2014, 42, 901-918.	0.8	30
1145	APOE and BDNF Val66Met polymorphisms combine to influence episodic memory function in older adults. <i>Behavioural Brain Research</i> , 2014, 271, 309-315.	1.2	50
1146	Beyond the Central Dogma. <i>American Biology Teacher</i> , 2014, 76, 365-369.	0.1	4
1147	Asparagine synthetase expression and its potential prognostic value in patients with NK/T cell lymphoma. <i>Oncology Reports</i> , 2014, 32, 853-859.	1.2	15
1148	ZNF423: Transcriptional modulation in development and cancer. <i>Molecular and Cellular Oncology</i> , 2014, 1, e969655.	0.3	19
1149	Methylation Patterns of the IFN- $\beta$ Gene in Cervical Cancer Tissues. <i>Scientific Reports</i> , 2014, 4, 6331.	1.6	39
1150	Building cross-scale models of epigenetic mechanisms. , 2014, , .		0

#	ARTICLE	IF	CITATIONS
1151	Novel insights from genetic and epigenetic studies in understanding the complex uraemic phenotype. <i>Nephrology Dialysis Transplantation</i> , 2014, 29, 964-971.	0.4	9
1152	The discovery of medicines for rare diseases. <i>Future Medicinal Chemistry</i> , 2014, 6, 987-1002.	1.1	22
1153	Epigenetic Markers of Prognosis in Melanoma. <i>Methods in Molecular Biology</i> , 2014, 1102, 481-499.	0.4	6
1154	Genetic selection of volunteers and concomitant dose adjustment leads to comparable hydralazine/valproate exposure. <i>Journal of Clinical Pharmacy and Therapeutics</i> , 2014, 39, 368-375.	0.7	13
1155	Methylation of serum insulin-like growth factor-binding protein 7 promoter in hepatitis B virus-associated hepatocellular carcinoma. <i>Genes Chromosomes and Cancer</i> , 2014, 53, 90-97.	1.5	31
1156	Gold Nanoparticle Loaded Hybrid Nanofibers for Cardiogenic Differentiation of Stem Cells for Infarcted Myocardium Regeneration. <i>Macromolecular Bioscience</i> , 2014, 14, 515-525.	2.1	102
1157	Gestational hypoxia and epigenetic programming of brain development disorders. <i>Drug Discovery Today</i> , 2014, 19, 1883-1896.	3.2	23
1158	A novel reannotation strategy for dissecting DNA methylation patterns of human long intergenic non-coding RNAs in cancers. <i>Nucleic Acids Research</i> , 2014, 42, 8258-8270.	6.5	40
1159	Epigenetic Regulation of Uterine Biology by Transcription Factor KLF11 via Posttranslational Histone Deacetylation of Cytochrome p450 Metabolic Enzymes. <i>Endocrinology</i> , 2014, 155, 4507-4520.	1.4	29
1160	Molecular Mechanisms Underpinning the Development of Obesity. , 2014, , .		6
1161	Nanoscale changes in chromatin organization represent the initial steps of tumorigenesis: a transmission electron microscopy study. <i>BMC Cancer</i> , 2014, 14, 189.	1.1	69
1162	Epigenetics and transgenerational inheritance in domesticated farm animals. <i>Journal of Animal Science and Biotechnology</i> , 2014, 5, 48.	2.1	55
1163	Molecular biomarkers for predicting outcomes in urothelial carcinoma of the bladder. <i>Pathology</i> , 2014, 46, 274-282.	0.3	17
1164	Epigenetic Mechanisms Might Help Explain Environmental Contributions to the Pathogenesis of Keratoconus. <i>Eye and Contact Lens</i> , 2014, 40, 371-375.	0.8	16
1165	Modeling Gene Expression Evolution with an Extended Ornstein-Uhlenbeck Process Accounting for Within-Species Variation. <i>Molecular Biology and Evolution</i> , 2014, 31, 201-211.	3.5	110
1166	A Recombinant Reporter System for Monitoring Reactivation of an Endogenously DNA Hypermethylated Gene. <i>Cancer Research</i> , 2014, 74, 3834-3843.	0.4	15
1167	EpimiR: a database of curated mutual regulation between miRNAs and epigenetic modifications. <i>Database: the Journal of Biological Databases and Curation</i> , 2014, 2014, bau023.	1.4	55
1168	Changes in Protein Domains outside the Catalytic Site of the Bacteriophage Q $\beta$ Replicase Reduce the Mutagenic Effect of 5-Azacytidine. <i>Journal of Virology</i> , 2014, 88, 10480-10487.	1.5	6

#	ARTICLE	IF	CITATIONS
1169	Morphological variation of the maxillary lateral incisor. <i>Japanese Dental Science Review</i> , 2014, 50, 100-107.	2.0	12
1170	One-Carbon Metabolism Nutrients and Epigenetics: A Mechanistic Link Between Aberrant One-Carbon Metabolism and Cancer Risk?. , 2014, , 277-353.		1
1171	NR4A3, a possible oncogenic factor for neuroblastoma associated with CpGi methylation within the third exon. <i>International Journal of Oncology</i> , 2014, 44, 1669-1677.	1.4	13
1172	Epigenetics of Human Obesity: A Link Between Genetics and Nutrition. , 2014, , 101-127.		0
1173	Impacts of Pretranscriptional DNA Methylation, Transcriptional Transcription Factor, and Posttranscriptional microRNA Regulations on Protein Evolutionary Rate. <i>Genome Biology and Evolution</i> , 2014, 6, 1530-1541.	1.1	34
1174	Epigenetic Function of Activation-Induced Cytidine Deaminase and Its Link to Lymphomagenesis. <i>Frontiers in Immunology</i> , 2014, 5, 642.	2.2	25
1175	Epigenetic regulation of CC-chemokine ligand 2 in nonresolving inflammation. <i>Biomolecular Concepts</i> , 2014, 5, 265-273.	1.0	17
1176	Molecular Genetic Markers as a Basis for Personalized Medicine / MOLEKULARNO-GENETIČKI MARKERI KAO OSNOV ZA PERSONALIZOVANU MEDICINU. <i>Journal of Medical Biochemistry</i> , 2014, 33, 8-21.	0.7	11
1177	Pathogenesis of idiopathic pulmonary fibrosis and its clinical implications. <i>Expert Review of Clinical Immunology</i> , 2014, 10, 1005-1017.	1.3	35
1178	Expression profiling of DNA methylation-mediated epigenetic gene-silencing factors in breast cancer. <i>Clinical Epigenetics</i> , 2014, 6, 20.	1.8	47
1179	Dysregulated transcriptional and post-translational control of DNA methyltransferases in cancer. <i>Cell and Bioscience</i> , 2014, 4, 46.	2.1	80
1180	DNA-AuNPs based signal amplification for highly sensitive detection of DNA methylation, methyltransferase activity and inhibitor screening. <i>Biosensors and Bioelectronics</i> , 2014, 58, 40-47.	5.3	82
1181	Intragenic DNA methylation status down-regulates bovine IGF2 gene expression in different developmental stages. <i>Gene</i> , 2014, 534, 356-361.	1.0	29
1182	Epigenetic effects of natural polyphenols: A focus on SIRT1-mediated mechanisms. <i>Molecular Nutrition and Food Research</i> , 2014, 58, 22-32.	1.5	93
1183	Lifecourse Health Development: Past, Present and Future. <i>Maternal and Child Health Journal</i> , 2014, 18, 344-365.	0.7	406
1184	Epigenetic Alterations and MicroRNA Misexpression in Cancer and Autoimmune Diseases: a Critical Review. <i>Clinical Reviews in Allergy and Immunology</i> , 2014, 47, 128-135.	2.9	71
1185	The association between RASSF1A promoter methylation and prostate cancer: evidence from 19 published studies. <i>Tumor Biology</i> , 2014, 35, 3881-3890.	0.8	23
1186	FTO and Obesity: Mechanisms of Association. <i>Current Diabetes Reports</i> , 2014, 14, 486.	1.7	120

#	ARTICLE	IF	CITATIONS
1187	Hydroxymethylation as a Novel Environmental Biosensor. <i>Current Environmental Health Reports</i> , 2014, 1, 1-10.	3.2	37
1188	Genetic and Epigenetic Associations with NAFLD: Focus on Clinical Decision Making and Novel Concepts in Disease Pathogenesis. <i>Current Hepatology Reports</i> , 2014, 13, 97-105.	0.4	1
1189	Utility of MS-MLPA in DNA methylation profiling in primary laryngeal squamous cell carcinoma. <i>Oral Oncology</i> , 2014, 50, 291-297.	0.8	11
1190	Epigenetics and Autoimmune Diseases. , 2014, , 381-401.		2
1191	Altered Genome-Wide Methylation in Endometriosis. <i>Reproductive Sciences</i> , 2014, 21, 1237-1243.	1.1	67
1192	lncRNAs: Insights into their function and mechanics in underlying disorders. <i>Mutation Research - Reviews in Mutation Research</i> , 2014, 762, 1-21.	2.4	196
1193	miRNAting control of DNA methylation. <i>Journal of Biosciences</i> , 2014, 39, 365-380.	0.5	18
1194	Regulatory role of the 90-kDa-heat-shock protein (Hsp90) and associated factors on gene expression. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2014, 1839, 71-87.	0.9	62
1195	The emerging role of epigenetics in rheumatic diseases. <i>Rheumatology</i> , 2014, 53, 406-414.	0.9	14
1196	Hypoxia-induced epigenetic modifications are associated with cardiac tissue fibrosis and the development of a myofibroblast-like phenotype. <i>Human Molecular Genetics</i> , 2014, 23, 2176-2188.	1.4	235
1197	Epigenetic profiles as defined signatures of xenobiotic exposure. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2014, 764-765, 3-9.	0.9	53
1198	Epigenetic memory of environmental organisms: A reflection of lifetime stressor exposures. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2014, 764-765, 10-17.	0.9	104
1199	Applications of alignment-free methods in epigenomics. <i>Briefings in Bioinformatics</i> , 2014, 15, 419-430.	3.2	40
1200	Additive effect of zinc oxide nanoparticles and isoorientin on apoptosis in human hepatoma cell line. <i>Toxicology Letters</i> , 2014, 225, 294-304.	0.4	46
1201	The multiple layers of non-genetic regulation of PTEN tumour suppressor activity. <i>European Journal of Cancer</i> , 2014, 50, 216-225.	1.3	69
1202	Inhibition of histone deacetylases protects septic mice from lung and splenic apoptosis. <i>Journal of Surgical Research</i> , 2014, 187, 559-570.	0.8	34
1203	Epigenetically regulated microRNAs in Alzheimer's disease. <i>Neurobiology of Aging</i> , 2014, 35, 731-745.	1.5	105
1204	Translational paradigms in pharmacology and drug discovery. <i>Biochemical Pharmacology</i> , 2014, 87, 189-210.	2.0	31

#	ARTICLE	IF	CITATIONS
1206	Non-coding RNAs and Cancer. , 2014, , .		6
1207	Vascular endothelial growth factor signaling in injured nerves underlies peripheral sensitization in neuropathic pain. <i>Journal of Neurochemistry</i> , 2014, 129, 169-178.	2.1	45
1208	Epigenetics of oral infection and inflammatory diseasesâ€”DNA methylation changes in infections and inflammation diseases. <i>Journal of Oral Biosciences</i> , 2014, 56, 105-109.	0.8	5
1209	Effect of varicocelelectomy on sperm functional characteristics and DNA methylation. <i>Andrologia</i> , 2014, 47, n/a-n/a.	1.0	42
1210	MiR-204 inhibits human NSCLC metastasis through suppression of NUA1. <i>British Journal of Cancer</i> , 2014, 111, 2316-2327.	2.9	86
1211	Obesity-related hypertension: possible pathophysiological mechanisms. <i>Journal of Endocrinology</i> , 2014, 223, R63-R78.	1.2	113
1212	Methyl jasmonate sensitizes human bladder cancer cells to gambogic acidâ€”induced apoptosis through downâ€”regulation of <sc>EZH</sc>2 expression by <sc>miR</sc>â€”101. <i>British Journal of Pharmacology</i> , 2014, 171, 618-635.	2.7	59
1213	Measuring whole genome methylation via oxygen channelling chemistry. <i>Chemical Communications</i> , 2014, 50, 10894-10896.	2.2	4
1214	Antroquinonol D, Isolated from <i>Antrodia camphorata</i>, with DNA Demethylation and Anticancer Potential. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 5625-5635.	2.4	42
1215	Identifying Novel Selective Non-Nucleoside DNA Methyltransferase 1 Inhibitors through Docking-Based Virtual Screening. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 9028-9041.	2.9	96
1216	Quantitative determination of decitabine incorporation into DNA and its effect on mutation rates in human cancer cells. <i>Nucleic Acids Research</i> , 2014, 42, e152-e152.	6.5	26
1217	Polyphenols and the Modulation of Gene Expression Pathways: Can We Eat Our Way Out of the Danger of Chronic Disease?. <i>Critical Reviews in Food Science and Nutrition</i> , 2014, 54, 985-1001.	5.4	91
1218	Methylation-specific PCR: four steps in primer design. <i>Open Life Sciences</i> , 2014, 9, 1127-1139.	0.6	8
1219	Epigenetic silencing of microRNA-373 to epithelial-mesenchymal transition in non-small cell lung cancer through IRAK2 and LAMP1 axes. <i>Cancer Letters</i> , 2014, 353, 232-241.	3.2	61
1220	The role of long non-coding RNAs in neurodevelopment, brain function and neurological disease. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2014, 369, 20130507.	1.8	164
1222	Epigenetic mechanisms of memory formation and reconsolidation. <i>Neurobiology of Learning and Memory</i> , 2014, 115, 116-127.	1.0	93
1224	A role for histone deacetylases in the cellular and behavioral mechanisms underlying learning and memory. <i>Learning and Memory</i> , 2014, 21, 564-568.	0.5	37
1225	Understanding the Pathobiology of Head and Neck Squamous Cell Carcinoma. <i>Current Oral Health Reports</i> , 2014, 1, 196-203.	0.5	2

#	ARTICLE	IF	CITATIONS
1226	Thematic series: transcriptional regulation and disease. Cell and Bioscience, 2014, 4, 42.	2.1	0
1227	Identification of methylation quantitative trait loci (mQTLs) influencing promoter DNA methylation of alcohol dependence risk genes. Human Genetics, 2014, 133, 1093-1104.	1.8	39
1228	Recent advances in the analysis of 5-methylcytosine and its oxidation products. TrAC - Trends in Analytical Chemistry, 2014, 54, 24-35.	5.8	49
1229	Determination of Oxidation Products of 5-Methylcytosine in Plants by Chemical Derivatization Coupled with Liquid Chromatography/Tandem Mass Spectrometry Analysis. Analytical Chemistry, 2014, 86, 7764-7772.	3.2	89
1230	Promoter methylation status of MGMT, hMSH2, and hMLH1 and its relationship to corresponding protein expression and TP53 mutations in human esophageal squamous cell carcinoma. Medical Oncology, 2014, 31, 784.	1.2	18
1231	Epigenetics and migraine; complex mitochondrial interactions contributing to disease susceptibility. Gene, 2014, 543, 1-7.	1.0	19
1232	The emerging role of epigenetics in cardiovascular disease. Therapeutic Advances in Chronic Disease, 2014, 5, 178-187.	1.1	107
1233	Cerebellar ataxia and functional genomics: Identifying the routes to cerebellar neurodegeneration. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2014, 1842, 2030-2038.	1.8	29
1234	Epigenetic histone modification regulates developmental lead exposure induced hyperactivity in rats. Toxicology Letters, 2014, 225, 78-85.	0.4	78
1235	Genetic determinants of pulmonary fibrosis: evolving concepts. Lancet Respiratory Medicine, the, 2014, 2, 416-428.	5.2	66
1236	Epigenetic regulation of the pro-apoptosis gene TSSC3 in human osteosarcoma cells. Biomedicine and Pharmacotherapy, 2014, 68, 45-50.	2.5	25
1237	Molecular mechanisms and physiology of disease. , 2014, , .		1
1238	A specific DNA methylation profile correlates with a high risk of disease progression in stage I classical (Alibert-Bazin type) mycosis fungoides. British Journal of Dermatology, 2014, 170, 1266-1275.	1.4	21
1239	DNA Promoter Methylation-dependent Transcription of the Double C2-like Domain $\hat{I}^2$ (DOC2B) Gene Regulates Tumor Growth in Human Cervical Cancer. Journal of Biological Chemistry, 2014, 289, 10637-10649.	1.6	36
1240	Involvement of epigenetics and microRNA-29b in the urethane induced inception and establishment of mouse lung tumors. Experimental and Molecular Pathology, 2014, 96, 61-70.	0.9	24
1241	Alterations of epigenetics and microRNA in hepatocellular carcinoma. Hepatology Research, 2014, 44, 31-42.	1.8	42
1242	Glucose-induced cell signaling in the pathogenesis of diabetic cardiomyopathy. Heart Failure Reviews, 2014, 19, 75-86.	1.7	24
1243	Epigenetic biomarkers in prostate cancer: Current and future uses. Cancer Letters, 2014, 342, 248-256.	3.2	78

#	ARTICLE	IF	CITATIONS
1244	Mechanisms of P-Glycoprotein Alteration During Anticancer Treatment: Role in the Pharmacokinetic and Pharmacological Effects of Various Substrate Drugs. <i>Journal of Pharmacological Sciences</i> , 2014, 125, 242-254.	1.1	23
1245	Early-Stage Ovarian Cancer. , 2014, , 1461-1466.		0
1246	Epigenetics in hepatocellular carcinoma: An update and future therapy perspectives. <i>World Journal of Gastroenterology</i> , 2014, 20, 333.	1.4	90
1247	Diabetes disease progression in Goto-Kakizaki rats: effects of salsalate treatment. <i>Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy</i> , 2014, 7, 381.	1.1	13
1248	Oral contraceptives modify the effect of GATA3 polymorphisms on the risk of asthma at the age of 18Åyears via DNA methylation. <i>Clinical Epigenetics</i> , 2014, 6, 17.	1.8	24
1249	MicroRNA-148a is silenced by hypermethylation and interacts with DNA methyltransferase 1 in hepatocellular carcinogenesis. <i>International Journal of Oncology</i> , 2014, 44, 1915-1922.	1.4	74
1250	Natural products as potential cancer therapy enhancers: A preclinical update. <i>SAGE Open Medicine</i> , 2014, 2, 205031211454692.	0.7	46
1251	The crossroads between cancer stem cells and aging. <i>BMC Cancer</i> , 2015, 15, S1.	1.1	17
1252	Integrated analysis of gene expression and DNA methylation changes induced by hepatocyte growth factor in human hepatocytes. <i>Molecular Medicine Reports</i> , 2015, 12, 4250-4258.	1.1	26
1253	Epigenetic silencing of the XAF1 gene is mediated by the loss of CTCF binding. <i>Scientific Reports</i> , 2015, 5, 14838.	1.6	9
1254	Muscle tissue engineering and regeneration through epigenetic reprogramming and scaffold manipulation. <i>Scientific Reports</i> , 2015, 5, 16333.	1.6	25
1255	Up-Regulation of miR-204 Enhances Anoikis Sensitivity in Epithelial Ovarian Cancer Cell Line Via Brain-Derived Neurotrophic Factor Pathway In Vitro. <i>International Journal of Gynecological Cancer</i> , 2015, 25, 944-952.	1.2	17
1256	Epigenetic regulation of chondrocyte differentiation. <i>Japanese Dental Science Review</i> , 2015, 51, 105-113.	2.0	8
1257	Regulation of TIMP-1 in Human Placenta and Fetal Membranes by lipopolysaccharide and demethylating agent 5-aza-2'-deoxycytidine. <i>Reproductive Biology and Endocrinology</i> , 2015, 13, 136.	1.4	9
1258	Chemopreventive mechanism of polypeptides from Chlamy Farreri (PCF) against UVB-induced malignant transformation of HaCaT cells. <i>Mutagenesis</i> , 2015, 30, 287-296.	1.0	5
1259	Elevated H3K18 acetylation in airway epithelial cells of asthmatic subjects. <i>Respiratory Research</i> , 2015, 16, 95.	1.4	39
1260	Expanding the toolbox of ADHD genetics. How can we make sense of parent of origin effects in ADHD and related behavioral phenotypes?. <i>Behavioral and Brain Functions</i> , 2015, 11, 33.	1.4	10
1261	Long contiguous stretches of homozygosity spanning shortly the imprinted loci are associated with intellectual disability, autism and/or epilepsy. <i>Molecular Cytogenetics</i> , 2015, 8, 77.	0.4	22



#	ARTICLE	IF	CITATIONS
1262	Applicability of HIN-1, MGMT and RASSF1A promoter methylation as biomarkers for detecting field cancerization in breast cancer. <i>Breast Cancer Research</i> , 2015, 17, 125.	2.2	39
1263	Reduced DNA methylation and hydroxymethylation in patients with systemic mastocytosis. <i>European Journal of Haematology</i> , 2015, 95, 566-575.	1.1	11
1264	Epigenetics/Programming in the HPA Axis. , 2015, 6, 87-110.		54
1265	Partners in crime: The role of tandem modules in gene transcription. <i>Protein Science</i> , 2015, 24, 1347-1359.	3.1	11
1266	Friedreich Ataxia. <i>Neurologist</i> , 2015, 20, 51-55.	0.4	9
1267	Epigenetics and Inflammation: Exploring the Link for Chronic Human Diseases Including Periodontal Disease. <i>Journal of Advanced Oral Research</i> , 2015, 6, 16-23.	0.3	1
1268	Global histone post-translational modifications and cancer: Biomarkers for diagnosis, prognosis and treatment?. <i>World Journal of Biological Chemistry</i> , 2015, 6, 333.	1.7	92
1269	LOXL1 Hypermethylation in Pseudoexfoliation Syndrome in the Uighur Population. , 2015, 56, 5838.		32
1270	Histone deacetylases 1 and 2 are required for brain development. <i>International Journal of Developmental Biology</i> , 2015, 59, 171-177.	0.3	31
1271	Regulation of MT1-MMP/MMP-2/TIMP-2 axis in human placenta. <i>Journal of Inflammation Research</i> , 2015, 8, 193.	1.6	10
1272	The Periconceptional Environment and Cardiovascular Disease: Does In Vitro Embryo Culture and Transfer Influence Cardiovascular Development and Health?. <i>Nutrients</i> , 2015, 7, 1378-1425.	1.7	32
1273	The effects of diabetes on male fertility and epigenetic regulation during spermatogenesis. <i>Asian Journal of Andrology</i> , 2015, 17, 948.	0.8	203
1274	Personalized Pharmacoepigenomics. , 2015, , 351-367.		2
1275	Epigenetic regulation of mammalian sex determination. <i>Journal of Medical Investigation</i> , 2015, 62, 19-23.	0.2	15
1276	Functional Role of G9a Histone Methyltransferase in Cancer. <i>Frontiers in Immunology</i> , 2015, 6, 487.	2.2	192
1277	Histone Acetylation Modifiers in the Pathogenesis of Alzheimer's Disease. <i>Frontiers in Cellular Neuroscience</i> , 2015, 9, 226.	1.8	99
1278	Computational Modelling Approaches on Epigenetic Factors in Neurodegenerative and Autoimmune Diseases and Their Mechanistic Analysis. <i>Journal of Immunology Research</i> , 2015, 2015, 1-10.	0.9	11
1279	Open Access Target Validation Is a More Efficient Way to Accelerate Drug Discovery. <i>PLoS Biology</i> , 2015, 13, e1002164.	2.6	20

#	ARTICLE	IF	CITATIONS
1280	Genome-Wide Assessment of Differential DNA Methylation Associated with Autoantibody Production in Systemic Lupus Erythematosus. PLoS ONE, 2015, 10, e0129813.	1.1	51
1281	Cumulative methylation alternations of gene promoters and protein markers for diagnosis of epithelial ovarian cancer. Genetics and Molecular Research, 2015, 14, 4532-4540.	0.3	18
1282	Characterization of DNA Methylation in Circulating Tumor Cells. Genes, 2015, 6, 1053-1075.	1.0	46
1283	A Comprehensive Review on Various Aspects of Genetic Disorders. Journal of Biology and Life Science, 2015, 6, 110.	0.2	0
1284	Histone Deacetylase Inhibitors Activate Tristetraprolin Expression through Induction of Early Growth Response Protein 1 (EGR1) in Colorectal Cancer Cells. Biomolecules, 2015, 5, 2035-2055.	1.8	33
1285	Epigenetic Regulations of Inflammatory Cyclooxygenase-Derived Prostanoids: Molecular Basis and Pathophysiological Consequences. Mediators of Inflammation, 2015, 2015, 1-9.	1.4	14
1286	The role of AP-1 and epigenetics in ALCL. Frontiers in Bioscience - Scholar, 2015, 7, 226-235.	0.8	23
1287	IRX1 hypomethylation promotes osteosarcoma metastasis via induction of CXCL14/NF- $\kappa$ B signaling. Journal of Clinical Investigation, 2015, 125, 1839-1856.	3.9	102
1288	Contemporary Assessment and Management of Head and Neck Cancer Surgical Margins. , 2015, , .		5
1289	Epigenetic regulation of gene expression in osteoarthritis. Genes and Diseases, 2015, 2, 69-75.	1.5	54
1290	Non-small-cell lung cancer and miRNAs: novel biomarkers and promising tools for treatment. Clinical Science, 2015, 128, 619-634.	1.8	67
1291	The State of the Art of Epigenetic Technologies. , 2015, , 1-18.		1
1292	Animal Model Study of Epigenetic Inhibitors. , 2015, , 447-477.		0
1293	The epigenetically active small chemical N-methyl pyrrolidone (NMP) prevents estrogen depletion induced osteoporosis. Bone, 2015, 78, 114-121.	1.4	31
1294	Differential Methylation Analysis with Next-Generation Sequencing. , 2015, , 229-238.		0
1295	High-Throughput Sequencing-Based Mapping of Cytosine Modifications. , 2015, , 39-53.		5
1296	Bioinformatics and Biostatistics in Mining Epigenetic Disease Markers and Targets. , 2015, , 219-244.		0
1299	miR-615-5p is epigenetically inactivated and functions as a tumor suppressor in pancreatic ductal adenocarcinoma. Oncogene, 2015, 34, 1629-1640.	2.6	83

#	ARTICLE	IF	CITATIONS
1300	<scp>DNA</scp> methylation and healthy human aging. <i>Aging Cell</i> , 2015, 14, 924-932.	3.0	665
1301	Personalized medicine for cystic fibrosis: Establishing human model systems. <i>Pediatric Pulmonology</i> , 2015, 50, S14-23.	1.0	33
1302	Effects of histone deacetylase inhibitor trichostatin <scp>A</scp> combined with cisplatin on apoptosis of <scp>A</scp>549 cell line. <i>Thoracic Cancer</i> , 2015, 6, 202-208.	0.8	19
1303	Tobacco carcinogen NNK-induced lung cancer animal models and associated carcinogenic mechanisms. <i>Acta Biochimica Et Biophysica Sinica</i> , 2015, 47, 477-487.	0.9	41
1304	Epigenetic signatures of internal migration in Italy. <i>International Journal of Epidemiology</i> , 2015, 44, 1442-1449.	0.9	17
1305	Commentary: Migrant study designs for epigenetic studies of disease risk. <i>International Journal of Epidemiology</i> , 2015, 44, 1449-1451.	0.9	3
1306	Single-cell, locus-specific bisulfite sequencing (SLBS) for direct detection of epimutations in DNA methylation patterns. <i>Nucleic Acids Research</i> , 2015, 43, e93-e93.	6.5	36
1307	Aberrant methylation of the TERT promoter in esophageal squamous cell carcinoma. <i>Cancer Genetics</i> , 2015, 208, 602-609.	0.2	6
1308	Genetic Polymorphism of DNA Methyltransferase 3A rs1550117 A&gt;G and Risk of Cancer: A Meta-analysis. <i>Journal of Investigative Surgery</i> , 2015, 28, 346-353.	0.6	10
1309	The epigenetic agents suberoylanilide hydroxamic acid and 5-AZA-2â€² deoxycytidine decrease cell proliferation, induce cell death and delay the growth of MiaPaCa2 pancreatic cancer cells in vivo. <i>International Journal of Oncology</i> , 2015, 46, 2223-2230.	1.4	17
1310	Palliative chemotherapy followed by methylation inhibitor in high-risk acute myeloid leukemia: An in vitro and clinical study. <i>Molecular and Clinical Oncology</i> , 2015, 3, 1139-1144.	0.4	2
1311	siRNA targeting RBP2 inhibits expression, proliferation, tumorigenicity and invasion in thyroid carcinoma cells. <i>Oncology Letters</i> , 2015, 10, 3393-3398.	0.8	5
1312	Nanoparticles in food. Epigenetic changes induced by nanomaterials and possible impact on health. <i>Food and Chemical Toxicology</i> , 2015, 77, 64-73.	1.8	116
1313	Characterization of the imprinting and expression patterns of ZAG2 in maize endosperm and embryo. <i>Crop Journal</i> , 2015, 3, 74-79.	2.3	4
1314	Inhibition of H3K9 methyltransferase G9a induces autophagy and apoptosis in oral squamous cell carcinoma. <i>Biochemical and Biophysical Research Communications</i> , 2015, 459, 10-17.	1.0	47
1315	Epigenetic Modification of MicroRNAs. , 2015, , 77-109.		2
1316	Chromatin modifications and genomic contexts linked to dynamic DNA methylation patterns across human cell types. <i>Scientific Reports</i> , 2015, 5, 8410.	1.6	11
1317	Neurobiological Findings in Post-traumatic Stress Disorder. , 2015, , 63-86.		5

#	ARTICLE	IF	CITATIONS
1318	DNA methyltransferase activity detection based on fluorescent silver nanocluster hairpin-shaped DNA probe with 5'™-C-rich/G-rich-3'™ tails. <i>Biosensors and Bioelectronics</i> , 2015, 68, 736-740.	5.3	66
1319	DNA Methylation and Flavonoids in Genitourinary Cancers. <i>Current Pharmacology Reports</i> , 2015, 1, 112-120.	1.5	30
1320	Epigenetics of Reproduction. , 2015, , 2439-2501.		2
1321	Resistance to Targeted ABC Transporters in Cancer. <i>Resistance To Targeted Anti-cancer Therapeutics</i> , 2015, , .	0.1	3
1322	Sensitive and Simultaneous Determination of 5-Methylcytosine and Its Oxidation Products in Genomic DNA by Chemical Derivatization Coupled with Liquid Chromatography-Tandem Mass Spectrometry Analysis. <i>Analytical Chemistry</i> , 2015, 87, 3445-3452.	3.2	126
1323	Quantitative Proteomic Analysis of Histone Modifications. <i>Chemical Reviews</i> , 2015, 115, 2376-2418.	23.0	306
1324	Evidence Based Treatments for Trauma-Related Psychological Disorders. , 2015, , .		25
1325	NNK-Induced DNA Methyltransferase 1 in Lung Tumorigenesis in A/J Mice and Inhibitory Effects of (âˆ™)-Epigallocatechin-3-Gallate. <i>Nutrition and Cancer</i> , 2015, 67, 167-176.	0.9	36
1326	Beyond the histone tale: HP1± deregulation in breast cancer epigenetics. <i>Cancer Biology and Therapy</i> , 2015, 16, 189-200.	1.5	35
1327	DNA methylation and RNA expression profiles in lung adenocarcinomas of never-smokers. <i>Cancer Genetics</i> , 2015, 208, 253-260.	0.2	14
1328	Food derived microRNAs. <i>Food and Function</i> , 2015, 6, 714-718.	2.1	36
1329	Metabolic alkene labeling and in vitro detection of histone acylation via the aqueous oxidative Heck reaction. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 3648-3653.	1.5	26
1331	A label-free electrochemical strategy for highly sensitive methyltransferase activity assays. <i>Chemical Communications</i> , 2015, 51, 5081-5084.	2.2	23
1332	Epigenetic Regulation by Dietary Phytochemicals in Photocarcinogenesis. <i>Current Pharmacology Reports</i> , 2015, 1, 52-59.	1.5	2
1333	Multifaceted Roles of Crystallography in Modern Drug Discovery. <i>NATO Science for Peace and Security Series A: Chemistry and Biology</i> , 2015, , .	0.5	3
1334	Gestational Diabetes Mellitus Impairs Fetal Endothelial Cell Functions Through a Mechanism Involving MicroRNA-101 and Histone Methyltransferase Enhancer of Zester Homolog-2. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015, 35, 664-674.	1.1	100
1335	Determination of DNA adenine methylation in genomes of mammals and plants by liquid chromatography/mass spectrometry. <i>RSC Advances</i> , 2015, 5, 64046-64054.	1.7	74
1336	Natural Compounds: DNA Methyltransferase Inhibitors in Oral Squamous Cell Carcinoma. <i>Applied Biochemistry and Biotechnology</i> , 2015, 177, 577-594.	1.4	12

#	ARTICLE	IF	CITATIONS
1337	The complexity of the Nrf2 pathway: beyond the antioxidant response. <i>Journal of Nutritional Biochemistry</i> , 2015, 26, 1401-1413.	1.9	325
1338	DNA Methylation of the EphA5 Promoter Is Associated with Rat Congenital Hypothyroidism. <i>Journal of Molecular Neuroscience</i> , 2015, 57, 203-210.	1.1	6
1339	Breast Cancer Epigenetics. , 2015, , 215-232.		0
1340	DNA hypomethylation-mediated activation of Cancer/Testis Antigen 45 (CT45) genes is associated with disease progression and reduced survival in epithelial ovarian cancer. <i>Epigenetics</i> , 2015, 10, 736-748.	1.3	52
1341	Integrative Analysis of DNA Methylation and Gene Expression Data Identifies EPAS1 as a Key Regulator of COPD. <i>PLoS Genetics</i> , 2015, 11, e1004898.	1.5	82
1342	Repair of DNA Damage Induced by the Cytidine Analog Zebularine Requires ATR and ATM in Arabidopsis. <i>Plant Cell</i> , 2015, 27, 1788-1800.	3.1	50
1343	Decreased DNA methylation in the promoter region of the WNT5A and GDNF genes may promote the osteogenicity of mesenchymal stem cells from patients with ossified spinal ligaments. <i>Journal of Pharmacological Sciences</i> , 2015, 127, 467-473.	1.1	25
1344	Integrative Epigenomics. <i>Translational Bioinformatics</i> , 2015, , 127-139.	0.0	0
1345	Epigenetic mechanisms and therapeutic targets of chemotherapy resistance in epithelial ovarian cancer. <i>Annals of Medicine</i> , 2015, 47, 359-369.	1.5	48
1346	Epigenetics of Stress-Related Psychiatric Disorders and Gene – Environment Interactions. <i>Neuron</i> , 2015, 86, 1343-1357.	3.8	271
1347	Causes of genome instability: the effect of low dose chemical exposures in modern society. <i>Carcinogenesis</i> , 2015, 36, S61-S88.	1.3	149
1348	Epigenetic regulation of Keap1-Nrf2 signaling. <i>Free Radical Biology and Medicine</i> , 2015, 88, 337-349.	1.3	187
1349	Role of 5-hydroxymethylcytosine in neurodegeneration. <i>Gene</i> , 2015, 570, 17-24.	1.0	72
1350	Fetal Alcohol Spectrum Disorders. , 2015, , 45-65.		0
1351	Overview of Neurodegenerative Disorders and Susceptibility Factors in Neurodegenerative Processes. , 2015, , 197-210.		1
1352	Epigenetic modifications in human thyroid cancer. <i>Biomedical Reports</i> , 2015, 3, 3-8.	0.9	40
1353	DAT1 methylation changes in alcohol-dependent individuals vs. controls. <i>Journal of Psychiatric Research</i> , 2015, 64, 130-133.	1.5	26
1354	Systematic gene microarray analysis of the lncRNA expression profiles in human uterine cervix carcinoma. <i>Biomedicine and Pharmacotherapy</i> , 2015, 72, 83-90.	2.5	45

#	ARTICLE	IF	CITATIONS
1355	Genetic advances in sarcomeric cardiomyopathies: state of the art. <i>Cardiovascular Research</i> , 2015, 105, 397-408.	1.8	187
1356	Synthetic epigenetics <sup>2</sup> towards intelligent control of epigenetic states and cell identity. <i>Clinical Epigenetics</i> , 2015, 7, 18.	1.8	59
1357	Genetic Incorporation of $\epsilon$ -N <sup>6</sup> -methyllysine, a New Histone Posttranslational Modification. <i>ChemBioChem</i> , 2015, 16, 1440-1442.	1.3	19
1358	Dietary Glucosinolates Sulforaphane, Phenethyl Isothiocyanate, Indole-3-Carbinol/3,3 <sup>2</sup> -Diindolylmethane: Antioxidative Stress/Inflammation, Nrf2, Epigenetics/Epigenomics and In Vivo Cancer Chemopreventive Efficacy. <i>Current Pharmacology Reports</i> , 2015, 1, 179-196.	1.5	142
1359	MiR-129-2 functions as a tumor suppressor in glioma cells by targeting HMGB1 and is down-regulated by DNA methylation. <i>Molecular and Cellular Biochemistry</i> , 2015, 404, 229-239.	1.4	58
1360	Sperm global $\alpha$ -DNA methylation level: association with semen parameters and genome integrity. <i>Andrology</i> , 2015, 3, 235-240.	1.9	111
1361	Epigenetic therapy for solid tumors: from bench science to clinical trials. <i>Epigenomics</i> , 2015, 7, 215-235.	1.0	59
1362	Next Generation Sequencing in Cancer Research, Volume 2. , 2015, , .		4
1363	Bioinformatics analysis of circulating cell-free DNA sequencing data. <i>Clinical Biochemistry</i> , 2015, 48, 962-975.	0.8	22
1364	The potential role of DNA methylation in the pathogenesis of abdominal aortic aneurysm. <i>Atherosclerosis</i> , 2015, 241, 121-129.	0.4	35
1365	MicroRNAs and DNA methylation as epigenetic regulators of mitosis, meiosis and spermiogenesis. <i>Reproduction</i> , 2015, 150, R25-R34.	1.1	69
1366	Genetics of systolic and diastolic heart failure. <i>Journal of Hypertension</i> , 2015, 33, 3-13.	0.3	4
1367	Genetic mechanisms of polygenic hypertension. <i>Journal of Hypertension</i> , 2015, 33, 669-680.	0.3	18
1368	Discovery and Development of Lead Compounds from Natural Sources Using Computational Approaches. , 2015, , 455-475.		10
1369	Epigenetic mechanisms: A possible link between autism spectrum disorders and fetal alcohol spectrum disorders. <i>Pharmacological Research</i> , 2015, 102, 71-80.	3.1	15
1370	An electrochemical assay for DNA methylation based on 3D nanostructured gold electrode and methyl binding domain protein. , 2015, , .		0
1372	Single-Cell Quantification of Cytosine Modifications by Hyperspectral Dark-Field Imaging. <i>ACS Nano</i> , 2015, 9, 11924-11932.	7.3	54
1373	Transient bursts of Zscan4 expression are accompanied by the rapid derepression of heterochromatin in mouse embryonic stem cells. <i>DNA Research</i> , 2015, 22, 307-318.	1.5	75

#	ARTICLE	IF	CITATIONS
1374	BSPAT: a fast online tool for DNA methylation co-occurrence pattern analysis based on high-throughput bisulfite sequencing data. <i>BMC Bioinformatics</i> , 2015, 16, 220.	1.2	28
1375	Epigenetics and the overhauling wound: the role of DNA methylation in fibrosis. <i>Fibrogenesis and Tissue Repair</i> , 2015, 8, 18.	3.4	61
1376	Hepatocellular carcinoma treatment over sorafenib: epigenetics, microRNAs and microenvironment. Is there a light at the end of the tunnel?. <i>Expert Opinion on Therapeutic Targets</i> , 2015, 19, 1623-1635.	1.5	58
1377	Pan-cancer stratification of solid human epithelial tumors and cancer cell lines reveals commonalities and tissue-specific features of the CpG island methylator phenotype. <i>Epigenetics and Chromatin</i> , 2015, 8, 14.	1.8	42
1378	DNA hypermethylation in hyperhomocysteinemia contributes to abnormal extracellular matrix metabolism in the kidney. <i>FASEB Journal</i> , 2015, 29, 4713-4725.	0.2	36
1379	Epigenetics and Cardiovascular Disease in Diabetes. <i>Current Diabetes Reports</i> , 2015, 15, 108.	1.7	32
1380	Colorimetric detection of both total genomic and loci-specific DNA methylation from limited DNA inputs. <i>Clinical Epigenetics</i> , 2015, 7, 65.	1.8	41
1381	Histone Deacetylase Gene Expression Following Binge Alcohol Consumption in Rats and Humans. <i>Alcoholism: Clinical and Experimental Research</i> , 2015, 39, 1939-1950.	1.4	31
1382	BET bromodomain inhibition suppresses transcriptional responses to cytokine- and JAK-STAT signaling in a gene-specific manner in human monocytes. <i>European Journal of Immunology</i> , 2015, 45, 287-297.	1.6	67
1383	Tumor Suppressive Function of p21-activated Kinase 6 in Hepatocellular Carcinoma. <i>Journal of Biological Chemistry</i> , 2015, 290, 28489-28501.	1.6	20
1384	The Triple-Code Model for Pancreatic Cancer. <i>Surgical Clinics of North America</i> , 2015, 95, 935-952.	0.5	20
1386	Prediction of Plant Height in <i>Arabidopsis thaliana</i> Using DNA Methylation Data. <i>Genetics</i> , 2015, 201, 779-793.	1.2	61
1387	DNA Methylation Regulates the Differential Expression of CX3CR1 on Human IL-7R <sup>low</sup> and IL-7R <sup>high</sup> Effector Memory CD8 <sup>+</sup> T Cells with Distinct Migratory Capacities to the Fractalkine. <i>Journal of Immunology</i> , 2015, 195, 2861-2869.	0.4	32
1388	Genetics and Health Communication: A Primer. <i>Health Communication</i> , 2015, 30, 92-95.	1.8	0
1389	Global DNA Methylation Profiling Technologies and the Ovarian Cancer Methylome. <i>Methods in Molecular Biology</i> , 2015, 1238, 653-675.	0.4	22
1390	What the Human Genome Project hasn't told us: The epigenetics of development of esophageal squamous cell cancer. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2015, 149, 386-387.	0.4	1
1391	Epigenetic modulation of the muscarinic type 3 receptor in salivary epithelial cells. <i>Laboratory Investigation</i> , 2015, 95, 237-245.	1.7	6
1392	Epigenetic programming of hypoxic-ischemic encephalopathy in response to fetal hypoxia. <i>Progress in Neurobiology</i> , 2015, 124, 28-48.	2.8	47



#	ARTICLE	IF	CITATIONS
1393	The increasing roles of epigenetics in breast cancer: Implications for pathogenicity, biomarkers, prevention and treatment. <i>International Journal of Cancer</i> , 2015, 137, 2785-2794.	2.3	72
1394	The role of polycomb repressive complexes in biliary tract cancer. <i>Expert Opinion on Therapeutic Targets</i> , 2015, 19, 363-375.	1.5	18
1395	Gold nanostar based biosensor detects epigenetic alterations on promoter of real cells. <i>Biosensors and Bioelectronics</i> , 2015, 66, 497-503.	5.3	23
1397	Understanding Genetics in Neuroimaging. <i>Neuroimaging Clinics of North America</i> , 2015, 25, 1-16.	0.5	1
1398	A Comprehensive View of the Epigenetic Landscape Part I: DNA Methylation, Passive and Active DNA Demethylation Pathways and Histone Variants. <i>Neurotoxicity Research</i> , 2015, 27, 84-97.	1.3	75
1399	Epigenetics of Multiple Sclerosis: An Updated Review. <i>NeuroMolecular Medicine</i> , 2015, 17, 83-96.	1.8	97
1400	Clinical applications of epigenetics in cardiovascular disease: the long road ahead. <i>Translational Research</i> , 2015, 165, 143-153.	2.2	23
1401	DAMPs, ageing, and cancer: The "DAMP Hypothesis"™. <i>Ageing Research Reviews</i> , 2015, 24, 3-16.	5.0	117
1402	Targeting DNA Methylation with Small Molecules: What's Next?. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 2569-2583.	2.9	112
1403	Genome-wide DNA Methylation Profiles and Their Relationships with mRNA and the microRNA Transcriptome in Bovine Muscle Tissue ( <i>Bos taurine</i> ). <i>Scientific Reports</i> , 2015, 4, 6546.	1.6	97
1404	Epigenetic therapy as a novel approach in hepatocellular carcinoma. , 2015, 145, 103-119.		59
1405	Epigenetics and Cancer. , 2015, , 67-78.e3.		0
1406	Enhancer of zeste homolog 2 is widely expressed in T-cell neoplasms, is associated with high proliferation rate and correlates with MYC and pSTAT3 expression in a subset of cases. <i>Leukemia and Lymphoma</i> , 2015, 56, 2087-2091.	0.6	23
1408	Current advances in biomarkers for targeted therapy in triple-negative breast cancer. <i>Breast Cancer: Targets and Therapy</i> , 2016, Volume 8, 183-197.	1.0	30
1409	Mechanisms for Neuronal Cell Death in Parkinson's Disease: Pathological Cross Talks Between Epigenetics and Various Signalling Pathways. , 2016, , .		0
1410	Epigenetics in myeloid derived suppressor cells: a sheathed sword towards cancer. <i>Oncotarget</i> , 2016, 7, 57452-57463.	0.8	38
1411	CRISPR-dCas9 mediated TET1 targeting for selective DNA demethylation at <i>BRCA1</i> promoter. <i>Oncotarget</i> , 2016, 7, 46545-46556.	0.8	263
1412	Unraveling the neurotoxicity of titanium dioxide nanoparticles: focusing on molecular mechanisms. <i>Beilstein Journal of Nanotechnology</i> , 2016, 7, 645-654.	1.5	40

#	ARTICLE	IF	CITATIONS
1413	Cardiovascular Disorders and Epigenetics. , 2016, , 243-256.		0
1414	Natural Epigenetic-Modifying Molecules in Medical Therapy. , 2016, , 747-798.		15
1415	Prospective Advances in Medical Epigenetics. , 2016, , 891-910.		0
1416	Prostate Cancer: Epigenetic Alterations, Risk Factors, and Therapy. Prostate Cancer, 2016, 2016, 1-11.	0.4	58
1417	Medical and Health Aspects of Genetics and Genomics. , 2016, , 139-160.		0
1418	Genomics relevant to the neuroanaesthesiologist. Journal of Neuroanaesthesiology and Critical Care, 2016, 03, S44-S52.	0.1	1
1419	Functional Profiling of Human MeCP2 by Automated Data Comparison Analysis and Computerized Expression Pathway Modeling. Healthcare Informatics Research, 2016, 22, 120.	1.0	4
1420	Spheroid Culture of Mesenchymal Stem Cells. Stem Cells International, 2016, 2016, 1-11.	1.2	330
1421	Mesenchymal Stem Cells and Metabolic Syndrome: Current Understanding and Potential Clinical Implications. Stem Cells International, 2016, 2016, 1-10.	1.2	17
1422	The Crosstalk between Myeloid Derived Suppressor Cells and Immune Cells: To Establish Immune Tolerance in Transplantation. Journal of Immunology Research, 2016, 2016, 1-6.	0.9	32
1423	Histone Acetylation and Its Modifiers in the Pathogenesis of Diabetic Nephropathy. Journal of Diabetes Research, 2016, 2016, 1-11.	1.0	36
1424	Nucleotide Excision Repair and head and neck cancers. Frontiers in Bioscience - Landmark, 2016, 21, 55-69.	3.0	5
1425	PRMT5 Is Upregulated in HTLV-1-Mediated T-Cell Transformation and Selective Inhibition Alters Viral Gene Expression and Infected Cell Survival. Viruses, 2016, 8, 7.	1.5	21
1426	Sequenom MassARRAY Technology for the Analysis of DNA Methylation. , 2016, , 137-153.		1
1427	Stem Cells, Biomarkers and Genetic Profiling: Approaching Future Challenges in Urology. Urologia, 2016, 83, 4-13.	0.3	18
1428	The Epigenetic Control of Hepatitis B Virus Modulates the Outcome of Infection. Frontiers in Microbiology, 2015, 6, 1491.	1.5	47
1429	Developmental Origins of Cardiometabolic Diseases: Role of the Maternal Diet. Frontiers in Physiology, 2016, 7, 504.	1.3	24
1430	An Overview of Medical Epigenetics. , 2016, , 3-7.		4

#	ARTICLE	IF	CITATIONS
1431	Cell-free DNA as a diagnostic marker for cancer: current insights. <i>OncoTargets and Therapy</i> , 2016, Volume 9, 6549-6559.	1.0	104
1432	The Emerging Potential for Epigenetic Therapeutics in Noncancer Disorders. , 2016, , 437-456.		2
1433	Methylation and expression of PTPN22 in esophageal squamous cell carcinoma. <i>Oncotarget</i> , 2016, 7, 64043-64052.	0.8	6
1434	Discovery and Development of Small Molecules Targeting Epigenetic Enzymes with Computational Methods. , 2016, , 75-112.		4
1435	Epigenetic effects of chromatin remodeling agents on organotypic cultures. <i>Epigenomics</i> , 2016, 8, 341-358.	1.0	8
1436	BDNF DNA methylation changes as a biomarker of psychiatric disorders: literature review and open access database analysis. <i>Behavioral and Brain Functions</i> , 2016, 12, 17.	1.4	100
1437	Developmental Origins of Hypoxic Pulmonary Hypertension and Systemic Vascular Dysfunction: Evidence from Humans. <i>Advances in Experimental Medicine and Biology</i> , 2016, 903, 17-28.	0.8	8
1438	The multifaceted interplay between lipids and epigenetics. <i>Current Opinion in Lipidology</i> , 2016, 27, 288-294.	1.2	10
1439	Ensemble-Based Virtual Screening and Experimental Validation of Inhibitors Targeting a Novel Site of Human DNMT1. <i>Chemical Biology and Drug Design</i> , 2016, 88, 5-16.	1.5	17
1440	Epigenetic Pharmacology. , 2016, , 1-25.		0
1441	Anti-leukemic activity of DNA methyltransferase inhibitor procaine targeted on human leukaemia cells. <i>Open Life Sciences</i> , 2016, 11, 322-330.	0.6	10
1442	Histone deacetylase 4 increases progressive epithelial ovarian cancer cells via repression of p21 on fibrillar collagen matrices. <i>Oncology Reports</i> , 2016, 35, 948-954.	1.2	23
1443	Isoform switching and exon skipping induced by the DNA methylation inhibitor 5-Aza-2'-deoxycytidine. <i>Scientific Reports</i> , 2016, 6, 24545.	1.6	15
1444	Epigenetic biomarkers in progression from non-dysplastic Barrett's oesophagus to oesophageal adenocarcinoma: a systematic review protocol. <i>BMJ Open</i> , 2016, 6, e013361.	0.8	5
1445	A potential adjuvant chemotherapeutics, 18 $\beta$ -glycyrrhetic acid, inhibits renal tubular epithelial cells apoptosis via enhancing BMP-7 epigenetically through targeting HDAC2. <i>Scientific Reports</i> , 2016, 6, 25396.	1.6	20
1446	Methylation pattern analysis in prostate cancer tissue: identification of biomarkers using an MS-MLPA approach. <i>Journal of Translational Medicine</i> , 2016, 14, 249.	1.8	16
1447	Development of self-inflicted injury: Comorbidities and continuities with borderline and antisocial personality traits. <i>Development and Psychopathology</i> , 2016, 28, 1071-1088.	1.4	21
1448	Hypoxic Preconditioning Inhibits Hypoxia-induced Apoptosis of Cardiac Progenitor Cells via the PI3K/Akt-DNMT1-p53 Pathway. <i>Scientific Reports</i> , 2016, 6, 30922.	1.6	38

#	ARTICLE	IF	CITATIONS
1449	Next-generation sequencing methylation profiling of subjects with obesity identifies novel gene changes. <i>Clinical Epigenetics</i> , 2016, 8, 77.	1.8	22
1450	miR-148a-3p represses proliferation and EMT by establishing regulatory circuits between ERBB3/AKT2/c-myc and DNMT1 in bladder cancer. <i>Cell Death and Disease</i> , 2016, 7, e2503-e2503.	2.7	93
1451	Ruptured abdominal aortic aneurysmâ€™ epidemiology, predisposing factors, and biology. <i>Langenbeck's Archives of Surgery</i> , 2016, 401, 275-288.	0.8	58
1452	Epigenetic regulation of G protein coupled receptor signaling and its implications in psychiatric disorders. <i>International Journal of Biochemistry and Cell Biology</i> , 2016, 77, 226-239.	1.2	14
1453	Cell-Specific Polymorphism and Hormonal Regulation of DNA Methylation in Scavenger Receptor Class B, Type I. <i>DNA and Cell Biology</i> , 2016, 35, 280-289.	0.9	6
1454	Applications of Optical Microcavity Resonators in Analytical Chemistry. <i>Annual Review of Analytical Chemistry</i> , 2016, 9, 1-25.	2.8	53
1455	Microfluidic Chromatin Immunoprecipitation for Analysis of Epigenomic Regulations. , 2016, , 349-363.		2
1456	Microfluidic Methods for Molecular Biology. , 2016, , .		4
1457	Epigenetic Advancements in Cancer. , 2016, , .		1
1458	Epigenetics: spotlight on type 2 diabetes and obesity. <i>Journal of Endocrinological Investigation</i> , 2016, 39, 1095-1103.	1.8	29
1459	Epigenetic Determinants of Cancer. <i>Cold Spring Harbor Perspectives in Biology</i> , 2016, 8, a019505.	2.3	834
1460	The many faces of histone H3K79 methylation. <i>Mutation Research - Reviews in Mutation Research</i> , 2016, 768, 46-52.	2.4	131
1461	Epigenetic Post transcriptional Mutation in Neuro-Oncology. , 2016, , 177-205.		1
1462	Topoisomerase 1 inhibition suppresses inflammatory genes and protects from death by inflammation. <i>Science</i> , 2016, 352, aad7993.	6.0	132
1463	MicroRNAs associated with the pathogenesis of multiple sclerosis. <i>Journal of Neuroimmunology</i> , 2016, 295-296, 148-161.	1.1	55
1464	Validation of differential <i>GDAP1</i> DNA methylation in alcohol dependence and its potential function as a biomarker for disease severity and therapy outcome. <i>Epigenetics</i> , 2016, 11, 456-463.	1.3	27
1465	Epigenetic modulation by inorganic metal complexes. <i>Coordination Chemistry Reviews</i> , 2016, 319, 25-34.	9.5	17
1466	Reprogrammable CRISPR/Cas9-based system for inducing site-specific DNA methylation. <i>Biology Open</i> , 2016, 5, 866-874.	0.6	228

#	ARTICLE	IF	CITATIONS
1467	The epigenome: the next substrate for engineering. <i>Genome Biology</i> , 2016, 17, 183.	3.8	44
1468	Epigenetic mechanisms in microbial members of the human microbiota: current knowledge and perspectives. <i>Epigenomics</i> , 2016, 8, 1259-1273.	1.0	13
1470	A general protocol for the reductive N-methylation of amines using dimethyl carbonate and molecular hydrogen: mechanistic insights and kinetic studies. <i>Catalysis Science and Technology</i> , 2016, 6, 7956-7966.	2.1	60
1471	Insights into the Pathogenesis of Anaplastic Large-Cell Lymphoma through Genome-wide DNA Methylation Profiling. <i>Cell Reports</i> , 2016, 17, 596-608.	2.9	55
1472	Cofactors-loaded quaternary structure of lysine-specific demethylase 5C (KDM5C) protein: Computational model. <i>Proteins: Structure, Function and Bioinformatics</i> , 2016, 84, 1797-1809.	1.5	7
1473	DNA methylation-regulated microRNA pathways in ovarian serous cystadenocarcinoma: A meta-analysis. <i>Computational Biology and Chemistry</i> , 2016, 65, 154-164.	1.1	12
1474	DNA methyltransferases and epigenetic regulation in bacteria. <i>FEMS Microbiology Reviews</i> , 2016, 40, 575-591.	3.9	153
1475	Panobinostat for the treatment of acute myelogenous leukemia. <i>Expert Opinion on Investigational Drugs</i> , 2016, 25, 1117-1131.	1.9	23
1476	Zygotic Genome Activation Revisited. <i>Current Topics in Developmental Biology</i> , 2016, 120, 103-124.	1.0	49
1477	Plasma cell differentiation is coupled to division-dependent DNA hypomethylation and gene regulation. <i>Nature Immunology</i> , 2016, 17, 1216-1225.	7.0	124
1478	Abnormal histone acetylation of CD8+ T cells in patients with severe aplastic anemia. <i>International Journal of Hematology</i> , 2016, 104, 540-547.	0.7	14
1479	DNA Methylation and Urological Cancer, a Step Towards Personalized Medicine: Current and Future Prospects. <i>Molecular Diagnosis and Therapy</i> , 2016, 20, 531-549.	1.6	4
1480	Design and Synthesis of Pyridone-Containing 3,4-Dihydroisoquinoline-1(2 <i>H</i> )-ones as a Novel Class of Enhancer of Zeste Homolog 2 (EZH2) Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 8306-8325.	2.9	53
1481	Epigenetic changes in cancer by Raman imaging, fluorescence imaging, AFM and scanning near-field optical microscopy (SNOM). Acetylation in normal and human cancer breast cells MCF10A, MCF7 and MDA-MB-231. <i>Analyst</i> , 2016, 141, 5646-5658.	1.7	38
1482	Epigenetics in the Neoliberal "Regime of Truth". <i>Hastings Center Report</i> , 2016, 46, 26-35.	0.7	36
1483	Atopic dermatitis and the intestinal microbiota in humans and dogs. <i>Veterinary Medicine and Science</i> , 2016, 2, 95-105.	0.6	49
1484	Research on cruciferous vegetables, indole-3-carbinol, and cancer prevention: A tribute to Lee W. Wattenberg. <i>Molecular Nutrition and Food Research</i> , 2016, 60, 1228-1238.	1.5	65
1485	DNA methylation in Parkinson's disease. <i>Journal of Neurochemistry</i> , 2016, 139, 108-120.	2.1	78

#	ARTICLE	IF	CITATIONS
1486	Philosophy of Cancer. History, Philosophy and Theory of the Life Sciences, 2016, , .	0.4	43
1487	Vitamin C increases viral mimicry induced by 5-aza-2â€²-deoxycytidine. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 10238-10244.	3.3	171
1488	Tumorigenic potential is restored during differentiation in fusion-reprogrammed cancer cells. Cell Death and Disease, 2016, 7, e2314-e2314.	2.7	6
1489	Loss of <i>Mbd2</i> Protects Mice Against High-Fat Dietâ€²-Induced Obesity and Insulin Resistance by Regulating the Homeostasis of Energy Storage and Expenditure. Diabetes, 2016, 65, 3384-3395.	0.3	34
1490	MicroRNA epigenetic signatures in human disease. Archives of Toxicology, 2016, 90, 2405-2419.	1.9	241
1491	Ocean acidification influences host <i>DNA</i> methylation and phenotypic plasticity in environmentally susceptible corals. Evolutionary Applications, 2016, 9, 1165-1178.	1.5	196
1492	HDAC inhibition in the <i>cpfl1</i> mouse protects degenerating cone photoreceptors <i>in vivo</i> . Human Molecular Genetics, 2016, 25, ddw275.	1.4	39
1493	BPA-Induced Deregulation Of Epigenetic Patterns: Effects On Female Zebrafish Reproduction. Scientific Reports, 2016, 6, 21982.	1.6	134
1494	Sequence-specific recognition of methylated DNA by an engineered transcription activator-like effector protein. Chemical Communications, 2016, 52, 14238-14241.	2.2	13
1495	Targeting the cancer epigenome for therapy. Nature Reviews Genetics, 2016, 17, 630-641.	7.7	888
1496	Identification and Structureâ€²-Activity Relationship Studies of Smallâ€²Molecule Inhibitors of the Methyllysine Reader Protein Spindlin1. ChemMedChem, 2016, 11, 2327-2338.	1.6	26
1497	Epigenetic Modifications in Neurological Diseases: Natural Products as Epigenetic Modulators a Treatment Strategy. Advances in Neurobiology, 2016, 12, 1-25.	1.3	10
1498	Epigenetics and approaches to targeted epigenetic therapy in acute myeloid leukemia. Blood, 2016, 127, 42-52.	0.6	234
1499	5-Azacytidine suppresses EC9706 cell proliferation and metastasis by upregulating the expression of SOX17 and CDH1. International Journal of Molecular Medicine, 2016, 38, 1047-1054.	1.8	7
1500	Identification of novel small-molecule inhibitors targeting meninâ€²-MLL interaction, repurposing the anti-diarrheal loperamide. Organic and Biomolecular Chemistry, 2016, 14, 8503-8519.	1.5	17
1501	Anti-fibrotic effects of valproic acid: role of HDAC inhibition and associated mechanisms. Epigenomics, 2016, 8, 1087-1101.	1.0	23
1502	Mitochondrial $\beta$ -Carotene $9\alpha,10\alpha$ Oxygenase Modulates Prostate Cancer Growth via NF- $\kappa$ B Inhibition: A Lycopene-Independent Function. Molecular Cancer Research, 2016, 14, 966-975.	1.5	45
1503	Dynamically reorganized chromatin is the key for the reprogramming of somatic cells to pluripotent cells. Scientific Reports, 2016, 5, 17691.	1.6	20

#	ARTICLE	IF	CITATIONS
1504	An oligodeoxyribonucleotide containing 5-formyl-2- $\alpha$ -deoxycytidine (fC) at the CpG site forms a covalent complex with DNA cytosine-5 methyltransferases (DNMTs). <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 5395-5398.	1.0	7
1505	Parental Obesity: Intergenerational Programming and Consequences. , 2016, , .		2
1506	Methylation status and protein expression of RASSF1A in endometriosis. <i>Oncology Letters</i> , 2016, 11, 4107-4112.	0.8	6
1507	Developmental Programming of Nonalcoholic Fatty Liver Disease (NAFLD). , 2016, , 255-288.		0
1508	Precipitating factors and targeted therapies in combating the perils of sickle cell disease-- A special nutritional consideration. <i>Nutrition and Metabolism</i> , 2016, 13, 50.	1.3	20
1509	The important roles of type I interferon and interferon-inducible genes in systemic lupus erythematosus. <i>International Immunopharmacology</i> , 2016, 40, 542-549.	1.7	35
1510	Epigenetic silencing of the NR4A3 tumor suppressor, by aberrant JAK/STAT signaling, predicts prognosis in gastric cancer. <i>Scientific Reports</i> , 2016, 6, 31690.	1.6	43
1511	Largazole Analogues Embodying Radical Changes in the Depsipeptide Ring: Development of a More Selective and Highly Potent Analogue. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 10642-10660.	2.9	29
1512	The identification of age-associated cancer markers by an integrative analysis of dynamic DNA methylation changes. <i>Scientific Reports</i> , 2016, 6, 22722.	1.6	31
1513	Regulatory Responses to the Gendering of Transgenerational Harm. <i>Australian Feminist Studies</i> , 2016, 31, 139-153.	0.6	8
1514	The effect of celecoxib on DNA methylation of CDH13, TFPI2, and FSTL1 in squamous cell carcinoma of the esophagus in vivo. <i>Anti-Cancer Drugs</i> , 2016, 27, 848-853.	0.7	10
1515	Prostate Cancer Biomarker Detection with Carbon Nanotubes Modified Screen Printed Electrodes. <i>Electroanalysis</i> , 2016, 28, 1077-1084.	1.5	19
1516	Curcumin. , 2016, , 105-119.		1
1517	Water as Co-Hydrogen Donor in Reductive Aminations. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 3921-3926.	3.2	12
1518	Increased expression of interleukin-6 (IL-6) gene transcript in relation to IL-6 promoter hypomethylation in gingival tissue from patients with chronic periodontitis. <i>Archives of Oral Biology</i> , 2016, 69, 89-94.	0.8	33
1519	DNA methylation profiling identifies novel markers of progression in hepatitis B-related chronic liver disease. <i>Clinical Epigenetics</i> , 2016, 8, 48.	1.8	20
1520	Differential expression of enhancer of zeste homolog 2 (EZH2) protein in small cell and aggressive B-cell non-Hodgkin lymphomas and differential regulation of EZH2 expression by p-ERK1/2 and MYC in aggressive B-cell lymphomas. <i>Modern Pathology</i> , 2016, 29, 1050-1057.	2.9	23
1521	Tumor necrosis factor- $\alpha$ gene promoter methylation in Japanese adults with chronic periodontitis and rheumatoid arthritis. <i>Journal of Periodontal Research</i> , 2016, 51, 350-358.	1.4	38



#	ARTICLE	IF	CITATIONS
1522	DNA hypermethylation of extracellular matrix-related genes in human periodontal fibroblasts induced by stimulation for a prolonged period with lipopolysaccharide derived from <i>Porphyromonas gingivalis</i> . <i>Journal of Periodontal Research</i> , 2016, 51, 508-517.	1.4	23
1523	Epigenetics and assisted reproductive technologies. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , 2016, 95, 10-15.	1.3	53
1524	Compound 9a, a novel synthetic histone deacetylase inhibitor, protects against septic injury in mice by suppressing MAPK signalling. <i>British Journal of Pharmacology</i> , 2016, 173, 1045-1057.	2.7	23
1525	Analysis of single nucleic acid molecules in micro- and nano-fluidics. <i>Lab on A Chip</i> , 2016, 16, 790-811.	3.1	29
1526	Epigenetic regulation of early neural fate commitment. <i>Cellular and Molecular Life Sciences</i> , 2016, 73, 1399-1411.	2.4	13
1527	DNA methylation analysis in constitutional disorders: Clinical implications of the epigenome. <i>Critical Reviews in Clinical Laboratory Sciences</i> , 2016, 53, 147-165.	2.7	28
1528	The existence of 5-hydroxymethylcytosine and 5-formylcytosine in both DNA and RNA in mammals. <i>Chemical Communications</i> , 2016, 52, 737-740.	2.2	102
1529	Epigenetic Medicinal Chemistry. <i>ACS Medicinal Chemistry Letters</i> , 2016, 7, 124-127.	1.3	8
1530	Histone acetylation and methylation significantly change with severity of atherosclerosis in human carotid plaques. <i>Cardiovascular Pathology</i> , 2016, 25, 79-86.	0.7	93
1531	Inhibitors of DNA Methylation, Histone Deacetylation, and Histone Demethylation. <i>Advances in Cancer Research</i> , 2016, 130, 55-111.	1.9	66
1532	Reconstruction of explicit structural properties at the nanoscale via spectroscopic microscopy. <i>Journal of Biomedical Optics</i> , 2016, 21, 025007.	1.4	3
1533	Dynamics of epigenetic regulation at the single-cell level. <i>Science</i> , 2016, 351, 720-724.	6.0	369
1534	DNA methylation controls liver fibrogenesis. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2016, 13, 126-128.	8.2	10
1535	A new oxygen modification cyclooctaoxygen binds to nucleic acids as sodium crown complex. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2016, 1860, 785-794.	1.1	0
1536	Epigenetics in systemic lupus erythematosus. <i>Biomedical Reports</i> , 2016, 4, 135-139.	0.9	16
1537	Flexible double-headed cytosine-linked 2'-deoxycytidine nucleotides. Synthesis, polymerase incorporation to DNA and interaction with DNA methyltransferases. <i>Bioorganic and Medicinal Chemistry</i> , 2016, 24, 1268-1276.	1.4	13
1538	Developmental Bone Biology. , 2016, , 1-158.		0
1539	Genetic Defects of the Î²-Cell That Cause Diabetes. <i>Endocrine Development</i> , 2016, 31, 179-202.	1.3	9

#	ARTICLE	IF	CITATIONS
1540	A review of toxicity and mechanisms of individual and mixtures of heavy metals in the environment. <i>Environmental Science and Pollution Research</i> , 2016, 23, 8244-8259.	2.7	650
1541	Biological implications and therapeutic significance of DNA methylation regulated genes in cervical cancer. <i>Biochimie</i> , 2016, 121, 298-311.	1.3	50
1542	<i>Drosophila melanogaster</i> : An emerging model of transgenerational effects of maternal obesity. <i>Molecular and Cellular Endocrinology</i> , 2016, 435, 20-28.	1.6	21
1543	An Automated Strategy for Binding-Pose Selection and Docking Assessment in Structure-Based Drug Design. <i>Journal of Chemical Information and Modeling</i> , 2016, 56, 54-72.	2.5	46
1544	ViralEpiV1.0: a high-throughput spectrum of viral epigenomic methylation profiles from diverse diseases. <i>Epigenomics</i> , 2016, 8, 67-75.	1.0	2
1545	Design and discovery of new pyrimidine coupled nitrogen aromatic rings as chelating groups of JMJD3 inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 721-725.	1.0	17
1546	Determination of DNA and RNA Methylation in Circulating Tumor Cells by Mass Spectrometry. <i>Analytical Chemistry</i> , 2016, 88, 1378-1384.	3.2	123
1547	Identification of potential COPD genes based on multi-omics data at the functional level. <i>Molecular BioSystems</i> , 2016, 12, 191-204.	2.9	8
1548	Genetic and Environmental Influences on Regional Brain Uptake of 18F-FDG: A PET Study on Monozygotic and Dizygotic Twins. <i>Journal of Nuclear Medicine</i> , 2016, 57, 392-397.	2.8	7
1549	Methylation of tumor suppressor gene CDH13 and SHP1 promoters and their epigenetic regulation by the UHRF1/PRMT5 complex in endometrial carcinoma. <i>Gynecologic Oncology</i> , 2016, 140, 145-151.	0.6	42
1550	A Phase I/II Multicenter, Open-Label Study of the Oral Histone Deacetylase Inhibitor Abexinostat in Relapsed/Refractory Lymphoma. <i>Clinical Cancer Research</i> , 2016, 22, 1059-1066.	3.2	71
1551	Animal models of gene-environment interaction in schizophrenia: A dimensional perspective. <i>Progress in Neurobiology</i> , 2016, 136, 1-27.	2.8	67
1552	Mechanisms contributing to myocardial potassium channel diversity, regulation and remodeling. <i>Trends in Cardiovascular Medicine</i> , 2016, 26, 209-218.	2.3	42
1553	Models of Intergenerational and Transgenerational Transmission of Risk for Psychopathology in Mice. <i>Neuropsychopharmacology</i> , 2016, 41, 219-231.	2.8	91
1554	Promoter methylation regulates the abundance of osa-miR393a in contrasting rice genotypes under salinity stress. <i>Functional and Integrative Genomics</i> , 2016, 16, 1-11.	1.4	37
1555	Sperm cryopreservation update: Cryodamage, markers, and factors affecting the sperm freezability in pigs. <i>Theriogenology</i> , 2016, 85, 47-64.	0.9	249
1556	Epigenetic regulation in dental pulp inflammation. <i>Oral Diseases</i> , 2017, 23, 22-28.	1.5	35
1557	Epigenomic changes associated with impaired norepinephrine transporter function in postural tachycardia syndrome. <i>Neuroscience and Biobehavioral Reviews</i> , 2017, 74, 342-355.	2.9	10

#	ARTICLE	IF	CITATIONS
1558	Epigenetic Modifications and Therapy in Multiple Sclerosis. <i>NeuroMolecular Medicine</i> , 2017, 19, 11-23.	1.8	49
1559	Dock1 promotes the mesenchymal transition of glioma and is modulated by MiR-31. <i>Neuropathology and Applied Neurobiology</i> , 2017, 43, 419-432.	1.8	21
1560	Environmental Deflection: The Impact of Toxicant Exposures on the Aging Epigenome. <i>Toxicological Sciences</i> , 2017, 156, kfx005.	1.4	28
1561	Changes in acetylation of lysine 5 on histone H4 in canine oocytes following in vitro maturation. <i>Reproduction in Domestic Animals</i> , 2017, 52, 103-107.	0.6	2
1562	Clinical and biological effects of demethylating agents on solid tumours – A systematic review. <i>Cancer Treatment Reviews</i> , 2017, 54, 10-23.	3.4	108
1564	Potential epigenetic biomarkers of obesity-related insulin resistance in human whole-blood. <i>Epigenetics</i> , 2017, 12, 254-263.	1.3	23
1565	Alteration of methyl-CpG binding domain family in patients with chronic hepatitis B. <i>Clinics and Research in Hepatology and Gastroenterology</i> , 2017, 41, 272-283.	0.7	3
1566	Genetics of idiopathic pulmonary fibrosis: from mechanistic pathways to personalised medicine. <i>Journal of Medical Genetics</i> , 2017, 54, 93-99.	1.5	50
1567	Epigenetic modifications and epigenetic based medication implementations of autoimmune diseases. <i>Biomedicine and Pharmacotherapy</i> , 2017, 87, 596-608.	2.5	31
1568	Epigenetic studies in Developmental Origins of Health and Disease: pitfalls and key considerations for study design and interpretation. <i>Journal of Developmental Origins of Health and Disease</i> , 2017, 8, 30-43.	0.7	60
1569	Emerging Role of MicroRNAs as Liquid Biopsy Biomarkers in Gastrointestinal Cancers. <i>Clinical Cancer Research</i> , 2017, 23, 2391-2399.	3.2	103
1570	Linking Chromatin Fibers to Gene Folding by Hierarchical Looping. <i>Biophysical Journal</i> , 2017, 112, 434-445.	0.2	46
1571	NDRG2 , suppressed expression associates with poor prognosis in pancreatic cancer, is hypermethylated in the second promoter in human gastrointestinal cancers. <i>Biochemical and Biophysical Research Communications</i> , 2017, 484, 138-143.	1.0	11
1572	Impact of nutrition on pollutant toxicity: an update with new insights into epigenetic regulation. <i>Reviews on Environmental Health</i> , 2017, 32, 65-72.	1.1	18
1573	Jussara ( <i>Euterpe edulis</i> Mart.) supplementation during pregnancy and lactation modulates UCP-1 and inflammation biomarkers induced by trans-fatty acids in the brown adipose tissue of offspring. <i>Clinical Nutrition Experimental</i> , 2017, 12, 50-65.	2.0	19
1574	Upregulation of long noncoding RNA TUG1 promotes cervical cancer cell proliferation and migration. <i>Cancer Medicine</i> , 2017, 6, 471-482.	1.3	85
1575	Zebularine upregulates expression of CYP genes through inhibition of DNMT1 and PKR in HepG2 cells. <i>Scientific Reports</i> , 2017, 7, 41093.	1.6	9
1576	Dynamics and Context-Dependent Roles of DNA Methylation. <i>Journal of Molecular Biology</i> , 2017, 429, 1459-1475.	2.0	126

#	ARTICLE	IF	CITATIONS
1577	Pharmacological intervention of early neuropathy in neurodegenerative diseases. <i>Pharmacological Research</i> , 2017, 119, 169-177.	3.1	10
1578	Constitutional Epi/Genetic Conditions: Genetic, Epigenetic, and Environmental Factors. <i>Journal of Pediatric Genetics</i> , 2017, 06, 030-041.	0.3	15
1579	Non-coding RNAs as regulators in epigenetics. <i>Oncology Reports</i> , 2017, 37, 3-9.	1.2	493
1580	PLGA-PEG nano-delivery system for epigenetic therapy. <i>Biomedicine and Pharmacotherapy</i> , 2017, 90, 586-597.	2.5	24
1581	Elevated Adenosine Induces Placental DNA Hypomethylation Independent of A2B Receptor Signaling in Preeclampsia. <i>Hypertension</i> , 2017, 70, 209-218.	1.3	18
1582	A new insight on reciprocal relationship between microRNA expression and epigenetic modifications in human lung cancer. <i>Tumor Biology</i> , 2017, 39, 101042831769503.	0.8	19
1583	DNA methylation regulated gene expression in organ fibrosis. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2017, 1863, 2389-2397.	1.8	37
1585	Precision toxicology based on single cell sequencing: an evolving trend in toxicological evaluations and mechanism exploration. <i>Archives of Toxicology</i> , 2017, 91, 2539-2549.	1.9	25
1586	Deregulation of $\alpha$ -synuclein in Parkinson's disease: Insight from epigenetic structure and transcriptional regulation of SNCA. <i>Progress in Neurobiology</i> , 2017, 154, 21-36.	2.8	55
1587	Successful Management of Decitabine prior to Full-Dose Idarubicin and Cytarabine in the Treatment of Refractory/Recurrent Acute Myeloid Leukemia. <i>Acta Haematologica</i> , 2017, 137, 195-200.	0.7	3
1588	A glucometer-based strategy for sensitive DNA methyltransferase activity detection via a polymerization nicking reaction and enzyme amplification. <i>Analytical Methods</i> , 2017, 9, 2933-2938.	1.3	3
1590	Histone Deacetylase Inhibitors Enhance Cytotoxicity Towards Breast Tumors While Preserving the Wound-Healing Function of Adipose-Derived Stem Cells. <i>Annals of Plastic Surgery</i> , 2017, 78, 728-735.	0.5	7
1591	Rubinstein-Taybi Syndrome and Epigenetic Alterations. <i>Advances in Experimental Medicine and Biology</i> , 2017, 978, 39-62.	0.8	30
1592	Epigenetic targeting drugs potentiate chemotherapeutic effects in solid tumor therapy. <i>Scientific Reports</i> , 2017, 7, 4035.	1.6	49
1593	Investigational BET bromodomain protein inhibitors in early stage clinical trials for acute myelogenous leukemia (AML). <i>Expert Opinion on Investigational Drugs</i> , 2017, 26, 803-811.	1.9	37
1594	Polycystic ovary syndrome: Understanding the role of the brain. <i>Frontiers in Neuroendocrinology</i> , 2017, 46, 1-14.	2.5	63
1595	Identification of potent inhibitors of DNA methyltransferase 1 (DNMT1) through a pharmacophore-based virtual screening approach. <i>Journal of Molecular Graphics and Modelling</i> , 2017, 75, 174-188.	1.3	26
1596	Epigenetics of Male Infertility. , 2017, , 87-111.		1

#	ARTICLE	IF	CITATIONS
1597	Bioinformatic analysis of the effects and mechanisms of decitabine and cytarabine on acute myeloid leukemia. <i>Molecular Medicine Reports</i> , 2017, 16, 281-287.	1.1	3
1598	Pathophysiological Fundamentals of Diabetic Cardiomyopathy. , 2017, 7, 693-711.		85
1599	Genome-Wide Analysis of DNA Methylation and Acute Coronary Syndrome. <i>Circulation Research</i> , 2017, 120, 1754-1767.	2.0	70
1600	Epigenetic perturbation driving asleep telomerase reverse transcriptase: Possible therapeutic avenues in carcinoma. <i>Tumor Biology</i> , 2017, 39, 101042831769595.	0.8	3
1601	Gold nanoparticles, radiations and the immune system: Current insights into the physical mechanisms and the biological interactions of this new alliance towards cancer therapy. , 2017, 178, 1-17.		59
1602	Phytochemicals in Traditional Chinese Herbal Medicine: Cancer Prevention and Epigenetics Mechanisms. <i>Current Pharmacology Reports</i> , 2017, 3, 77-91.	1.5	16
1603	The Current State of Epigenetic Research in Humans. <i>JAMA Pediatrics</i> , 2017, 171, 103.	3.3	13
1604	Epigenetic dysfunctional diseases and therapy for infection and inflammation. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2017, 1863, 518-528.	1.8	36
1605	ASH1L Suppresses Matrix Metalloproteinase through Mitogen-activated Protein Kinase Signaling Pathway in Pulpitis. <i>Journal of Endodontics</i> , 2017, 43, 306-314.e2.	1.4	12
1606	Regulation of microRNA-1 (miR-1) expression in human cancer. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2017, 1860, 227-232.	0.9	38
1607	Targeting chromatin aging - The epigenetic impact of longevity-associated interventions. <i>Experimental Gerontology</i> , 2017, 94, 29-33.	1.2	19
1608	Multistage feature selection approach for high-dimensional cancer data. <i>Soft Computing</i> , 2017, 21, 6895-6906.	2.1	26
1609	Acute myocardial infarction or stroke in occult colorectal cancer: Epiphenomena of the degree of epigenetic deregulation of SEPT9 gene?. <i>Immunology Letters</i> , 2017, 181, 116-117.	1.1	1
1610	S-adenosyl- l -methionine analogs as enhanced methyl donors: Towards novel epigenetic regulators. <i>Chemical Physics Letters</i> , 2017, 690, 74-81.	1.2	7
1611	Solid-State Nanopore Analysis of Diverse DNA Base Modifications Using a Modular Enzymatic Labeling Process. <i>Nano Letters</i> , 2017, 17, 7110-7116.	4.5	23
1612	Exercise for Cardiovascular Disease Prevention and Treatment. <i>Advances in Experimental Medicine and Biology</i> , 2017, , .	0.8	3
1614	Re-expressing Epigenetically Silenced Genes by Inducing DNA Demethylation Through Targeting of Ten-Eleven Translocation 2 to Any Given Genomic Locus. <i>Methods in Molecular Biology</i> , 2017, 1654, 321-335.	0.4	2
1615	Micro<scp>RNA</scp>s: A novel potential biomarker for diagnosis and therapy in patients with nonâ€small cell lung cancer. <i>Cell Proliferation</i> , 2017, 50, .	2.4	98

#	ARTICLE	IF	CITATIONS
1616	Speeding towards individualized treatment for pancreatic cancer by taking an alternative road. <i>Cancer Letters</i> , 2017, 410, 63-67.	3.2	31
1617	Epigenetics: A way to bridge the gap between biological fields. <i>Studies in History and Philosophy of Science Part C: Studies in History and Philosophy of Biological and Biomedical Sciences</i> , 2017, 66, 73-82.	0.8	92
1618	Histone Modifications Regulate the Developmental Expression of Human Hepatic UDP-Glucuronosyltransferase 1A1. <i>Drug Metabolism and Disposition</i> , 2017, 45, 1372-1378.	1.7	9
1619	Obese fathers lead to an altered metabolism and obesity in their children in adulthood: review of experimental and human studies. <i>Jornal De Pediatria</i> , 2017, 93, 551-559.	0.9	37
1620	Involvement of aberrantly expressed microRNAs in the pathogenesis of head and neck squamous cell carcinoma. <i>Cancer and Metastasis Reviews</i> , 2017, 36, 525-545.	2.7	41
1621	Oxygen nanobubbles revert hypoxia by methylation programming. <i>Scientific Reports</i> , 2017, 7, 9268.	1.6	45
1622	WNT SIGNALING IN ORAL CANCER INITIATING CELLS. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2017, 124, e202.	0.2	2
1623	Recent Advances in Imprinting Disorders. <i>NeoReviews</i> , 2017, 18, e532-e543.	0.4	0
1624	Blood monocyte transcriptome and epigenome analyses reveal loci associated with human atherosclerosis. <i>Nature Communications</i> , 2017, 8, 393.	5.8	51
1625	DNA and Histone Modifications in Cancer Therapy. <i>Cancer Drug Discovery and Development</i> , 2017, , 585-604.	0.2	0
1626	Endothelial to mesenchymal transition in the cardiovascular system. <i>Life Sciences</i> , 2017, 184, 95-102.	2.0	43
1627	An affinity-based probe for methyltransferase enzymes based on sinefungin. <i>Canadian Journal of Chemistry</i> , 2017, 95, 1059-1063.	0.6	2
1628	Novel potent inhibitors of the histone demethylase KDM1A (LSD1), orally active in a murine promyelocytic leukemia model. <i>Future Medicinal Chemistry</i> , 2017, 9, 1161-1174.	1.1	4
1629	Epigenetics of human diseases and scope in future therapeutics. <i>Journal of Taibah University Medical Sciences</i> , 2017, 12, 205-211.	0.5	19
1630	Epigenetic mechanisms underlying the toxic effects associated with arsenic exposure and the development of diabetes. <i>Food and Chemical Toxicology</i> , 2017, 107, 406-417.	1.8	34
1631	Precision cancer therapy is impacted by oncogene-dependent epigenome remodeling. <i>Npj Precision Oncology</i> , 2017, 1, 1.	2.3	90
1632	Histone Modification Is Correlated With Reverse Left Ventricular Remodeling in Nonischemic Dilated Cardiomyopathy. <i>Annals of Thoracic Surgery</i> , 2017, 104, 1531-1539.	0.7	29
1633	Molecular bases of anorexia nervosa, bulimia nervosa and binge eating disorder: shedding light on the darkness. <i>Journal of Neurogenetics</i> , 2017, 31, 266-287.	0.6	11

#	ARTICLE	IF	CITATIONS
1634	Stepping Up to Rethink the Future of Rehabilitation: IV STEP Considerations and Inspirations. <i>Journal of Neurologic Physical Therapy</i> , 2017, 41, S63-S72.	0.7	5
1635	Stepping Up to Rethink the Future of Rehabilitation: IV STEP Considerations and Inspirations. <i>Pediatric Physical Therapy</i> , 2017, 29, S76-S85.	0.3	1
1636	Quantification of Plasma Cell-Free Circulating DNA at Different Stages of Colorectal Cancer. <i>Cancer Investigation</i> , 2017, 35, 625-632.	0.6	18
1637	Epigenetic Drug Repositioning for Alzheimer's Disease Based on Epigenetic Targets in Human Interactome. <i>Journal of Alzheimer's Disease</i> , 2017, 61, 53-65.	1.2	20
1638	Stress exposure and psychopathology alter methylation of the serotonin receptor 2A ( <i>HTR2A</i> ) gene in preschoolers. <i>Development and Psychopathology</i> , 2017, 29, 1619-1626.	1.4	30
1639	Synergistic effects of the combination of 5-AzaCdR and suberoylanilide hydroxamic acid on the anticancer property of pancreatic cancer. <i>Oncology Reports</i> , 2018, 39, 264-270.	1.2	9
1641	Male Obesity: Epigenetic Origin and Effects in Sperm and Offspring. <i>Current Molecular Biology Reports</i> , 2017, 3, 288-296.	0.8	50
1642	Collapse of DNA Tetrahedron Nanostructure for On-Fluorescence Detection of DNA Methyltransferase Activity. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 40087-40093.	4.0	54
1643	Convenient iron-catalyzed reductive aminations without hydrogen for selective synthesis of N-methylamines. <i>Nature Communications</i> , 2017, 8, 1344.	5.8	78
1644	New and Emerging Therapies for Uterine Fibroids. <i>Seminars in Reproductive Medicine</i> , 2017, 35, 549-559.	0.5	17
1645	Exercise Training and Epigenetic Regulation: Multilevel Modification and Regulation of Gene Expression. <i>Advances in Experimental Medicine and Biology</i> , 2017, 1000, 281-322.	0.8	29
1646	A label-free electrochemical biosensor for methyltransferase activity detection and inhibitor screening based on graphene quantum dot and enzyme-catalyzed reaction. <i>Journal of Electroanalytical Chemistry</i> , 2017, 799, 327-332.	1.9	23
1647	DNA methylation markers for diagnosis and prognosis of common cancers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 7414-7419.	3.3	387
1648	Fast and precise detection of DNA methylation with tetramethylammonium-filled nanopore. <i>Scientific Reports</i> , 2017, 7, 183.	1.6	16
1649	LINE-1 hypomethylation is not a common event in preneoplastic stages of gastric carcinogenesis. <i>Scientific Reports</i> , 2017, 7, 4828.	1.6	12
1650	Is Epigenetic Stress the Link Between Childhood Maltreatment and Borderline Personality Disorder?. <i>The American Journal of Psychiatry Residents' Journal</i> , 2017, 12, 2-4.	0.2	1
1651	RERG suppresses cell proliferation, migration and angiogenesis through ERK/NF- $\kappa$ B signaling pathway in nasopharyngeal carcinoma. <i>Journal of Experimental and Clinical Cancer Research</i> , 2017, 36, 88.	3.5	37
1652	Anti-cancer effect of <i>Scutellaria baicalensis</i> in combination with cisplatin in human ovarian cancer cell. <i>BMC Complementary and Alternative Medicine</i> , 2017, 17, 277.	3.7	26



#	ARTICLE	IF	CITATIONS
1653	Three-Dimensional Scaffold Chip with Thermosensitive Coating for Capture and Reversible Release of Individual and Cluster of Circulating Tumor Cells. <i>Analytical Chemistry</i> , 2017, 89, 7924-7932.	3.2	68
1654	Current epigenetic aspects the clinical kidney researcher should embrace. <i>Clinical Science</i> , 2017, 131, 1649-1667.	1.8	11
1655	A Review of DNA Methylation and microRNA Expression in Recurrent Pediatric Acute Leukemia. <i>Oncology</i> , 2017, 92, 61-67.	0.9	20
1656	Genetic Disorders. , 2017, , 205-216.		0
1657	Correlation between <i>ZBED6</i> Gene Upstream CpG Island methylation and mRNA expression in cattle. <i>Animal Biotechnology</i> , 2017, 28, 104-111.	0.7	2
1658	Genomic landscape of gastric cancer: molecular classification and potential targets. <i>Science China Life Sciences</i> , 2017, 60, 126-137.	2.3	29
1659	Particulate matter-induced epigenetic changes and lung cancer. <i>Clinical Respiratory Journal</i> , 2017, 11, 539-546.	0.6	85
1660	Indications to Epigenetic Dysfunction in the Pathogenesis of Common Variable Immunodeficiency. <i>Archivum Immunologiae Et Therapiae Experimentalis</i> , 2017, 65, 101-110.	1.0	23
1661	Longitudinal effects of developmental bisphenol A and variable diet exposures on epigenetic drift in mice. <i>Reproductive Toxicology</i> , 2017, 68, 154-163.	1.3	40
1662	The microRNA signatures: aberrantly expressed microRNAs in head and neck squamous cell carcinoma. <i>Journal of Human Genetics</i> , 2017, 62, 3-13.	1.1	43
1663	Epigenetic therapies by targeting aberrant histone methylome in AML: molecular mechanisms, current preclinical and clinical development. <i>Oncogene</i> , 2017, 36, 1753-1759.	2.6	47
1664	FAT4 hypermethylation and grade dependent downregulation in gastric adenocarcinoma. <i>Journal of Cell Communication and Signaling</i> , 2017, 11, 69-75.	1.8	23
1665	Monitoring of Serum DNA Methylation as an Early Independent Marker of Response and Survival in Metastatic Breast Cancer: TBCRC 005 Prospective Biomarker Study. <i>Journal of Clinical Oncology</i> , 2017, 35, 751-758.	0.8	110
1666	Current status in cancer cell reprogramming and its clinical implications. <i>Journal of Cancer Research and Clinical Oncology</i> , 2017, 143, 371-383.	1.2	16
1667	DNA methylation alterations in Alzheimer's disease. <i>Environmental Epigenetics</i> , 2017, 3, dx008.	0.9	54
1669	Obese fathers lead to an altered metabolism and obesity in their children in adulthood: review of experimental and human studies. <i>Jornal De Pediatria (Versão Em Português)</i> , 2017, 93, 551-559.	0.2	2
1670	Generation of an arrayed CRISPR-Cas9 library targeting epigenetic regulators: from high-content screens to <i>in vivo</i> assays. <i>Epigenetics</i> , 2017, 12, 1065-1075.	1.3	28
1671	The characteristics of acetylation of histone H3 at Lys24 in the hippocampus and neocortex of rats that were exposed to hypoxic stress at different stages of prenatal development. <i>Neurochemical Journal</i> , 2017, 11, 309-314.	0.2	3

#	ARTICLE	IF	CITATIONS
1672	Epigenetic editing: towards realization of the curable genome concept. <i>Convergent Science Physical Oncology</i> , 2017, 3, 013006.	2.6	3
1673	Application of Next-Generation Sequencing in the Era of Precision Medicine. , 0, , .		7
1675	Epigenetics of reproductive infertility. <i>Frontiers in Bioscience - Scholar</i> , 2017, 9, 509-535.	0.8	28
1676	Understanding the Roles of Genetic and Environmental Influences on the Neurobiology of Nicotine Use. , 2017, , 251-271.		0
1677	The Role of Epigenetics on Dental Implant Therapy: A Systematic Review. <i>Epigenomes</i> , 2017, 1, 12.	0.8	3
1678	Genome-Wide Epigenetic Studies in Chicken: A Review. <i>Epigenomes</i> , 2017, 1, 20.	0.8	11
1679	Population Pharmacoeigenomics. , 2017, , 511-516.		0
1680	Epigenetics in Periodontal Diseases. <i>Journal of Clinical Epigenetics</i> , 2017, 03, .	0.3	1
1681	The Roles of ROS in Cancer Heterogeneity and Therapy. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-12.	1.9	175
1682	Epigenetics and Oxidative Stress in Aging. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-8.	1.9	129
1683	Multi-omics and male infertility status integration and future prospects. <i>Frontiers in Bioscience - Scholar</i> , 2017, 9, 375-394.	0.8	18
1684	Mechanisms Regulating Stemness and Differentiation in Embryonal Carcinoma Cells. <i>Stem Cells International</i> , 2017, 2017, 1-20.	1.2	24
1685	Genetic and epigenetic mechanisms of epilepsy: a review. <i>Neuropsychiatric Disease and Treatment</i> , 2017, Volume 13, 1841-1859.	1.0	66
1686	Epigenética y gestación por sustitución: más razones a favor de una regulación internacional para un negocio global. <i>Anuario Mexicano De Derecho Internacional</i> , 2017, 1, 329.	0.1	1
1687	Treatment with a DNA methyltransferase inhibitor feminizes zebrafish and induces long-term expression changes in the gonads. <i>Epigenetics and Chromatin</i> , 2017, 10, 59.	1.8	53
1688	Changes in DNA methylation in naïve T helper cells regulate the pathophysiological state in minimal-change nephrotic syndrome. <i>BMC Research Notes</i> , 2017, 10, 480.	0.6	2
1689	Hypermethylation of the <i>N-Myc Downstream-Regulated Gene 2</i> Promoter in Peripheral Blood Mononuclear Cells is Associated with Liver Fibrosis in Chronic Hepatitis B. <i>Tohoku Journal of Experimental Medicine</i> , 2017, 241, 155-163.	0.5	1
1690	Explorative healthy aging approaches fostering social innovation: thematizing life course narratives of older women participating in a documentary film. <i>Qualitative Research in Medicine &amp; Healthcare</i> , 2017, 1, .	0.2	2

#	ARTICLE	IF	CITATIONS
1691	Epigenetic Interactions between Alcohol and Cannabinergic Effects: Focus on Histone Modification and DNA Methylation. <i>Journal of Alcoholism and Drug Dependence</i> , 2017, 05, .	0.2	12
1692	Epigenetics and Orthopedics. <i>Journal of Clinical Epigenetics</i> , 2017, 03, .	0.3	0
1693	Histone demethylase KDM2B upregulates histone methyltransferase EZH2 expression and contributes to the progression of ovarian cancer in vitro and in vivo. <i>OncoTargets and Therapy</i> , 2017, Volume 10, 3131-3144.	1.0	44
1694	Epigenetics in Dentistry: A Literature Review. <i>Journal of Clinical Epigenetics</i> , 2017, 03, .	0.3	6
1695	Epigenetic Regulation of Neurogenesis by microRNAs. , 2017, , 119-136.		0
1696	Promoter methylation of Wnt/ $\beta$ -Catenin signal inhibitor <i>TMEM88</i> is associated with unfavorable prognosis of non-small cell lung cancer. <i>Cancer Biology and Medicine</i> , 2017, 14, 377.	1.4	23
1697	Diagnostic role of Wnt pathway gene promoter methylation in non small cell lung cancer. <i>Oncotarget</i> , 2017, 8, 36354-36367.	0.8	40
1699	Long Noncoding RNAs: New Players in the Osteogenic Differentiation of Bone Marrow- and Adipose-Derived Mesenchymal Stem Cells. <i>Stem Cell Reviews and Reports</i> , 2018, 14, 297-308.	5.6	49
1700	Histone Modification Patterns Using RPPA-Based Profiling Predict Outcome in Acute Myeloid Leukemia Patients. <i>Proteomics</i> , 2018, 18, e1700379.	1.3	11
1701	The DNA methylation status of MyoD and IGF-I genes are correlated with muscle growth during different developmental stages of Japanese flounder ( <i>Paralichthys olivaceus</i> ). <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2018, 219-220, 33-43.	0.7	24
1702	Advances in <i>Fasciola hepatica</i> research using "omics" technologies. <i>International Journal for Parasitology</i> , 2018, 48, 321-331.	1.3	39
1703	Structure-based optimization of a series of selective BET inhibitors containing aniline or indoline groups. <i>European Journal of Medicinal Chemistry</i> , 2018, 150, 156-175.	2.6	16
1704	Biomedical Applications of Metals. , 2018, , .		6
1705	Maternal obesity increases the risk of metabolic disease and impacts renal health in offspring. <i>Bioscience Reports</i> , 2018, 38, .	1.1	50
1706	Impact of Heavy Metal Carcinogens on Human Health. , 2018, , 277-295.		6
1707	Epigenetics of Aberrant Cardiac Wound Healing. , 2018, 8, 451-491.		10
1709	Stability of global methylation profiles of whole blood and extracted DNA under different storage durations and conditions. <i>Epigenomics</i> , 2018, 10, 797-811.	1.0	37
1710	Epigenomics. <i>Circulation Research</i> , 2018, 122, 1191-1199.	2.0	80

#	ARTICLE	IF	CITATIONS
1711	Non-viral delivery systems for CRISPR/Cas9-based genome editing: Challenges and opportunities. <i>Biomaterials</i> , 2018, 171, 207-218.	5.7	289
1712	Harnessing the potential of epigenetic therapies for childhood acute myeloid leukemia. <i>Experimental Hematology</i> , 2018, 63, 1-11.	0.2	12
1713	A nursing theoryâ€guided framework for genetic and epigenetic research. <i>Nursing Inquiry</i> , 2018, 25, e12238.	1.1	4
1714	Role of miRâ€31 and SATB2 in arsenicâ€induced malignant BEASâ€2B cell transformation. <i>Molecular Carcinogenesis</i> , 2018, 57, 968-977.	1.3	25
1715	Differential promoter methylation of <i>DAZL</i> gene in bulls with varying seminal parameters. <i>Reproduction in Domestic Animals</i> , 2018, 53, 914-920.	0.6	6
1716	Genomics for Oral Cancer Biomarker Research. , 2018, , 201-223.		0
1717	T cells are influenced by a long non-coding RNA in the autoimmune associated PTPN2 locus. <i>Journal of Autoimmunity</i> , 2018, 90, 28-38.	3.0	29
1718	Mechanismâ€Based Inhibitor of DNA Cytosineâ€5 Methyltransferase by a S <sub>N</sub> Ar Reaction with an Oligodeoxyribonucleotide Containing a 2â€Aminoâ€4â€Halopyridineâ€C Nucleoside. <i>ChemBioChem</i> , 2018, 19, 865-872.		9
1719	Heat stress responses in spermatozoa: Mechanisms and consequences for cattle fertility. <i>Theriogenology</i> , 2018, 113, 102-112.	0.9	71
1720	IL-35 (Interleukin-35) Suppresses Endothelial Cell Activation by Inhibiting Mitochondrial Reactive Oxygen Species-Mediated Site-Specific Acetylation of H3K14 (Histone 3 Lysine 14). <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2018, 38, 599-609.	1.1	93
1721	DNA methylation enzyme inhibitor RG108 suppresses the radioresistance of esophageal cancer. <i>Oncology Reports</i> , 2018, 39, 993-1002.	1.2	14
1722	Epigenetic deregulation in chronic lymphocytic leukemia: Clinical and biological impact. <i>Seminars in Cancer Biology</i> , 2018, 51, 1-11.	4.3	40
1723	Chronic consumption of a western diet modifies the DNA methylation profile in the frontal cortex of mice. <i>Food and Function</i> , 2018, 9, 1187-1198.	2.1	5
1724	<i>AHRR</i> hypomethylation, lung function, lung function decline and respiratory symptoms. <i>European Respiratory Journal</i> , 2018, 51, 1701512.	3.1	35
1725	<i>NKX6.1</i> hypermethylation predicts the outcome of stage II colorectal cancer patients undergoing chemotherapy. <i>Genes Chromosomes and Cancer</i> , 2018, 57, 268-277.	1.5	16
1726	Gene expression regulation by heat-shock proteins: the cardinal roles of HSF1 and Hsp90. <i>Biochemical Society Transactions</i> , 2018, 46, 51-65.	1.6	24
1727	DNA methylation of APBA3 and MCF2 in borderline personality disorder: Potential biomarkers for response to psychotherapy. <i>European Neuropsychopharmacology</i> , 2018, 28, 252-263.	0.3	26
1728	Fetal programming and vascular dysfunction. <i>Artery Research</i> , 2018, 21, 69.	0.3	3

#	ARTICLE	IF	CITATIONS
1729	A KDM5 Inhibitor Increases Global H3K4 Trimethylation Occupancy and Enhances the Biological Efficacy of 5-Aza-2-Deoxycytidine. <i>Cancer Research</i> , 2018, 78, 1127-1139.	0.4	41
1730	Commercial glucometer as signal transducer for simple evaluation of DNA methyltransferase activity and inhibitors screening. <i>Analytica Chimica Acta</i> , 2018, 1001, 18-23.	2.6	14
1731	Targeting protein-protein interaction between MLL1 and reciprocal proteins for leukemia therapy. <i>Bioorganic and Medicinal Chemistry</i> , 2018, 26, 356-365.	1.4	12
1732	Epigenetic regulation of mammalian sex determination. <i>Molecular and Cellular Endocrinology</i> , 2018, 468, 31-38.	1.6	25
1733	Expression of enhancer of zeste homolog 2 (EZH2) protein in histiocytic and dendritic cell neoplasms with evidence for p-ERK1/2-related, but not MYC- or p-STAT3-related cell signaling. <i>Modern Pathology</i> , 2018, 31, 553-561.	2.9	12
1734	Epigenetics and pathogenesis of systemic sclerosis; the ins and outs. <i>Human Immunology</i> , 2018, 79, 178-187.	1.2	28
1735	Epigenetic Contribution to the Development and Progression of Vascular Diabetic Complications. <i>Antioxidants and Redox Signaling</i> , 2018, 29, 1074-1091.	2.5	10
1736	Histone deacetylases 1 and 2 regulate the transcriptional programs of nephron progenitors and renal vesicles. <i>Development (Cambridge)</i> , 2018, 145, .	1.2	38
1737	Insight into the recognition mechanism of DNA cytosine-5 methyltransferases (DNMTs) by incorporation of acyclic 5-fluorocytosine (FC) nucleosides into DNA. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018, 28, 2189-2194.	1.0	1
1738	DNA methylation profiles correlated to striped bass sperm fertility. <i>BMC Genomics</i> , 2018, 19, 244.	1.2	18
1739	Genetics and Epigenetics in the Neurodegenerative Disorders of the Central Nervous System. , 2018, , 1-20.		1
1740	Epigenetic Pharmacology. , 2018, , 1551-1575.		0
1741	Differential Therapy Based on Tumor Heterogeneity in Pancreatic Cancer. , 2018, , 1203-1217.		0
1742	Integrated analysis of methylome, transcriptome and miRNAome of three pig breeds. <i>Epigenomics</i> , 2018, 10, 597-612.	1.0	11
1743	Modified nucleoside triphosphates exist in mammals. <i>Chemical Science</i> , 2018, 9, 4160-4167.	3.7	38
1744	Role of Genetics and Epigenetics in the Pathogenesis of Alzheimer's Disease and Frontotemporal Dementia. <i>Journal of Alzheimer's Disease</i> , 2018, 62, 913-932.	1.2	54
1746	Epigenetic small molecule modulators of histone and DNA methylation. <i>Current Opinion in Chemical Biology</i> , 2018, 45, 73-85.	2.8	53
1747	Droplet digital PCR is an accurate method to assess methylation status on FFPE samples. <i>Epigenetics</i> , 2018, 13, 207-213.	1.3	30

#	ARTICLE	IF	CITATIONS
1748	Pathophysiology and Prevention of Heart Disease in Diabetes Mellitus. <i>Current Problems in Cardiology</i> , 2018, 43, 68-110.	1.1	22
1749	Epigenetic modifications of human placenta associated with preterm birth: a systematic review. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2018, 31, 530-541.	0.7	13
1750	Epigenetic regulation of gene expression in cancer: techniques, resources and analysis. <i>Briefings in Functional Genomics</i> , 2018, 17, 49-63.	1.3	111
1751	Vitamin C – A new player in regulation of the cancer epigenome. <i>Seminars in Cancer Biology</i> , 2018, 51, 59-67.	4.3	73
1752	Novel combination of histone methylation modulators with therapeutic synergy against acute myeloid leukemia in vitro and in vivo. <i>Cancer Letters</i> , 2018, 413, 35-45.	3.2	29
1753	Epigenetic regulation of melatonin receptors in neuropsychiatric disorders. <i>British Journal of Pharmacology</i> , 2018, 175, 3209-3219.	2.7	28
1754	Epigenetic algorithms: A New way of building GAs based on epigenetics. <i>Information Sciences</i> , 2018, 424, 250-272.	4.0	8
1755	The correlation between DNA methylation and transcriptional expression of human dopamine transporter in cell lines. <i>Neuroscience Letters</i> , 2018, 662, 91-97.	1.0	7
1756	Epigenetic Pathways Offer Targets for Ovarian Cancer Treatment. <i>Clinical Breast Cancer</i> , 2018, 18, 189-191.	1.1	6
1757	Potential for diagnosis versus therapy monitoring of attention deficit hyperactivity disorder: a new epigenetic biomarker interacting with both genotype and auto-immunity. <i>European Child and Adolescent Psychiatry</i> , 2018, 27, 241-252.	2.8	41
1758	Comparison of genome-wide analysis techniques to DNA methylation analysis in human cancer. <i>Journal of Cellular Physiology</i> , 2018, 233, 3968-3981.	2.0	32
1759	Functions of the multi-interacting protein KIDINS220/ARMS in cancer and other pathologies. <i>Genes Chromosomes and Cancer</i> , 2018, 57, 114-122.	1.5	8
1760	5-aza-2-deoxycytidine, a DNA methylation inhibitor, attenuates hyperoxia-induced lung fibrosis via re-expression of P16 in neonatal rats. <i>Pediatric Research</i> , 2018, 83, 723-730.	1.1	8
1761	The Emerging Theoretical Framework of Life Course Health Development. , 2018, , 19-43.		45
1762	Chemoprevention by resveratrol and pterostilbene: Targeting on epigenetic regulation. <i>BioFactors</i> , 2018, 44, 26-35.	2.6	60
1763	Precision Medicine in Obesity and Type 2 Diabetes: The Relevance of Early-Life Exposures. <i>Clinical Chemistry</i> , 2018, 64, 130-141.	1.5	20
1764	Germ cell tumour growth patterns originating from clear cell carcinomas of the ovary and endometrium: a comparative immunohistochemical study favouring their origin from somatic stem cells. <i>Histopathology</i> , 2018, 72, 634-647.	1.6	48
1765	Novel agents for relapsed and refractory follicular lymphoma. <i>Best Practice and Research in Clinical Haematology</i> , 2018, 31, 41-48.	0.7	19

#	ARTICLE	IF	CITATIONS
1766	Oral Cancer. Dental Clinics of North America, 2018, 62, 29-46.	0.8	36
1767	Expedient Synthesis of <i>N</i> -Methyl- and <i>N</i> -Alkylamines by Reductive Amination using Reusable Cobalt Oxide Nanoparticles. ChemCatChem, 2018, 10, 1235-1240.	1.8	29
1768	DNA-hypomethylating agents as epigenetic therapy before and after allogeneic hematopoietic stem cell transplantation in myelodysplastic syndromes and juvenile myelomonocytic leukemia. Seminars in Cancer Biology, 2018, 51, 68-79.	4.3	42
1769	The histone methyltransferase G9a: a new therapeutic target in biliary tract cancer. Human Pathology, 2018, 72, 117-126.	1.1	19
1770	Epigenetic determinants of phenotypic plasticity in <i>Candida albicans</i> . Fungal Biology Reviews, 2018, 32, 10-19.	1.9	19
1771	Neuroimaging Epigenetics: Challenges and Recommendations for Best Practices. Neuroscience, 2018, 370, 88-100.	1.1	19
1772	Lung cancer early detection and health disparities: the intersection of epigenetics and ethnicity. Journal of Thoracic Disease, 2018, 10, 2498-2507.	0.6	13
1773	Investigation of the changes in the expression levels of MOZ gene in colorectal cancer tissues. Journal of Gastrointestinal Oncology, 2018, 10, 68-73.	0.6	4
1774	Hepatitis C: Host and Viral Factors Associated with Response to Therapy and Progression of Liver Fibrosis. , 2018, , .		1
1775	TET2 coactivates gene expression through demethylation of enhancers. Science Advances, 2018, 4, eaau6986.	4.7	86
1776	Epigenetics in Rare Diseases. Journal of Rare Disorders Diagnosis & Therapy, 2018, 03, .	0.1	0
1777	NLRP1 and NTN1, Deregulated Blood Differentially Methylated Regions in Mild Cognitive Impairment Patients. Journal of Molecular Neuroscience, 2018, 66, 561-571.	1.1	6
1778	Coupling of replisome movement with nucleosome dynamics can contribute to the parent-to-daughter information transfer. Nucleic Acids Research, 2018, 46, 4991-5000.	6.5	4
1779	Methylation status of the stimulator of interferon genes promoter in patients with chronic hepatitis B. Medicine (United States), 2018, 97, e13904.	0.4	4
1780	Associations of sex hormone-binding globulin and testosterone with genome-wide DNA methylation. BMC Genetics, 2018, 19, 113.	2.7	15
1781	LIVR-Induced Epigenetic Regulation and Photocarcinogenesis. , 2018, , 9-13.		0
1782	Challenges in designing and executing clinical trials in a dish studies. Journal of Pharmacological and Toxicological Methods, 2018, 94, 73-82.	0.3	15
1783	Disabled-2 (DAB2) Overexpression Inhibits Monocyte-Derived Dendritic Cells' Function in Vogt-Koyanagi-Harada Disease. , 2018, 59, 4662.		10



#	ARTICLE	IF	CITATIONS
1784	Association of GSTP1 and P16 promoter methylation with the risk of HBV-related hepatocellular carcinoma: a meta-analysis. <i>OncoTargets and Therapy</i> , 2018, Volume 11, 5789-5796.	1.0	2
1785	DeepDiff: DEEP-learning for predicting DIFFerential gene expression from histone modifications. <i>Bioinformatics</i> , 2018, 34, i891-i900.	1.8	47
1786	Epigallocatechin-3 gallate prevents pressure overload-induced heart failure by up-regulating SERCA2a via histone acetylation modification in mice. <i>PLoS ONE</i> , 2018, 13, e0205123.	1.1	19
1787	The DNMT1-associated lincRNA DACOR1 reprograms genome-wide DNA methylation in colon cancer. <i>Clinical Epigenetics</i> , 2018, 10, 127.	1.8	34
1788	Association of mitochondrial dysfunction and lipid metabolism with type 2 diabetes mellitus: A review of literature. <i>Frontiers in Biology</i> , 2018, 13, 406-417.	0.7	1
1789	A systematic review of epigenetic biomarkers in progression from non-dysplastic Barrett's oesophagus to oesophageal adenocarcinoma. <i>BMJ Open</i> , 2018, 8, e020427.	0.8	10
1790	The Emerging Role of Epigenetics. <i>Translational Bioinformatics</i> , 2018, , 65-101.	0.0	1
1791	CDH1, DLEC1 and SFRP5 methylation panel as a prognostic marker for advanced epithelial ovarian cancer. <i>Epigenomics</i> , 2018, 10, 1397-1413.	1.0	14
1793	Highly Sensitive Assay of Methyltransferase Activity Based on an Autonomous Concatenated DNA Circuit. <i>ACS Sensors</i> , 2018, 3, 2359-2366.	4.0	33
1794	Targeting histone methyltransferase G9a inhibits growth and Wnt signaling pathway by epigenetically regulating HP1 and APC2 gene expression in non-small cell lung cancer. <i>Molecular Cancer</i> , 2018, 17, 153.	7.9	59
1795	Aberrant CD137 ligand expression induced by GATA6 overexpression promotes tumor progression in cutaneous T-cell lymphoma. <i>Blood</i> , 2018, 132, 1922-1935.	0.6	39
1796	Epigenetics in Hematological Malignancies. <i>Methods in Molecular Biology</i> , 2018, 1856, 87-101.	0.4	11
1797	Another Round of "Clue" to Uncover the Mystery of Complex Traits. <i>Genes</i> , 2018, 9, 61.	1.0	7
1798	Targeting epigenetic mechanisms in periodontal diseases. <i>Periodontology 2000</i> , 2018, 78, 174-184.	6.3	22
1799	Epigenetic basis of hepatocellular carcinoma: A network-based integrative meta-analysis. <i>World Journal of Hepatology</i> , 2018, 10, 155-165.	0.8	13
1800	Epigenetic regulatory modifications in genetic and sporadic frontotemporal dementia. <i>Expert Review of Neurotherapeutics</i> , 2018, 18, 469-475.	1.4	6
1802	Enhancer of zeste homolog 2-catalysed H3K27 trimethylation plays a key role in acute-on-chronic liver failure via TNF-mediated pathway. <i>Cell Death and Disease</i> , 2018, 9, 590.	2.7	25
1803	Microfluidic Low-Input Fluidized-Bed Enabled ChIP-seq Device for Automated and Parallel Analysis of Histone Modifications. <i>Analytical Chemistry</i> , 2018, 90, 7666-7674.	3.2	18

#	ARTICLE	IF	CITATIONS
1804	Cellular Models: HD Patient-Derived Pluripotent Stem Cells. <i>Methods in Molecular Biology</i> , 2018, 1780, 41-73.	0.4	7
1805	Epigenetic mechanisms as a new approach in cancer treatment: An updated review. <i>Genes and Diseases</i> , 2018, 5, 304-311.	1.5	146
1806	Crosstalk between metabolism and epigenetic modifications in autoimmune diseases: a comprehensive overview. <i>Cellular and Molecular Life Sciences</i> , 2018, 75, 3353-3369.	2.4	40
1807	Epigenetic Modulation of Human Neurobiological Disorders. , 2018, , 327-349.		0
1808	Inhibition of the H3K4 methyltransferase SET7/9 ameliorates peritoneal fibrosis. <i>PLoS ONE</i> , 2018, 13, e0196844.	1.1	29
1809	Transcription and Epigenetic Regulation. , 2018, , 3-30.		0
1810	Role of RNF20 in cancer development and progression – a comprehensive review. <i>Bioscience Reports</i> , 2018, 38, .	1.1	34
1811	Switching roles for DNA and histone methylation depend on evolutionary ages of human endogenous retroviruses. <i>Genome Research</i> , 2018, 28, 1147-1157.	2.4	82
1812	Future Challenges and Prospects for the Epigenetics of Autoimmunity. , 2018, , 387-402.		0
1813	Hypermethylation of MDFI promoter with NSCLC is specific for females, non-smokers and people younger than 65. <i>Oncology Letters</i> , 2018, 15, 9017-9024.	0.8	6
1814	Aberrant miR-145-5p/catenin signal impairs osteocyte function in adolescent idiopathic scoliosis. <i>FASEB Journal</i> , 2018, 32, 6537-6549.	0.2	29
1815	Managing the Microbial Community of Marine Fish Larvae: A Holistic Perspective for Larviculture. <i>Frontiers in Microbiology</i> , 2018, 9, 1820.	1.5	64
1816	A Rapid and Robust Protocol for Reduced Representation Bisulfite Sequencing in Multiple Myeloma. <i>Methods in Molecular Biology</i> , 2018, 1792, 179-191.	0.4	4
1817	Combinational Proanthocyanidins and Resveratrol Synergistically Inhibit Human Breast Cancer Cells and Impact Epigenetic-Mediating Machinery. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2204.	1.8	59
1818	Changes in DNA Methylation Related to Male Infertility. , 2018, , 189-207.		0
1819	DNMT1 regulates expression of MHC class I in post-mitotic neurons. <i>Molecular Brain</i> , 2018, 11, 36.	1.3	18
1820	A novel regulatory circuit of miR-152 and DNMT1 in human bladder cancer. <i>Oncology Reports</i> , 2018, 40, 1803-1812.	1.2	9
1821	Modulation of epigenetic factors during the early stages of HIV-1 infection in CD4+ T cells in vitro. <i>Virology</i> , 2018, 523, 41-51.	1.1	7

#	ARTICLE	IF	CITATIONS
1822	Epigenetic modifications by polyphenolic compounds alter gene expression in the hippocampus. <i>Biology Open</i> , 2018, 7, .	0.6	14
1823	Epigenetics in Ascending Thoracic Aortic Aneurysm and Dissection. <i>Aorta</i> , 2018, 06, 001-012.	0.1	22
1824	Sequence-specific 5mC detection in live cells based on the TALE-split luciferase complementation system. <i>Analyst, The</i> , 2018, 143, 3793-3797.	1.7	2
1825	Application of Virtual Screening Approaches for the Identification of Small Molecule Inhibitors of the Methyllysine Reader Protein Spindlin1. <i>Methods in Molecular Biology</i> , 2018, 1824, 347-370.	0.4	5
1826	Abnormal Epigenetic Regulation of Immune System during Aging. <i>Frontiers in Immunology</i> , 2018, 9, 197.	2.2	65
1827	The Microbiological Memory, an Epigenetic Regulator Governing the Balance Between Good Health and Metabolic Disorders. <i>Frontiers in Microbiology</i> , 2018, 9, 1379.	1.5	34
1828	Functional Nucleic Acid Based Biosensors for DNA Methylation Detection. , 2018, , 307-324.		0
1829	Optical bio-chemical sensors based on whispering gallery mode resonators. <i>Nanoscale</i> , 2018, 10, 13832-13856.	2.8	109
1830	Methylation Status of the Follistatin Gene at Different Development Stages of Japanese Flounder ( <i>Paralichthys olivaceus</i> ). <i>Journal of Ocean University of China</i> , 2018, 17, 1243-1252.	0.6	2
1831	Modulation of Telomerase Activity in Cancer Cells by Dietary Compounds: A Review. <i>International Journal of Molecular Sciences</i> , 2018, 19, 478.	1.8	30
1832	Global and Complement Gene-Specific DNA Methylation in Grass Carp after Grass Carp Reovirus (GCRV) Infection. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1110.	1.8	9
1833	The impact of DNA methylation in <i>Alphaproteobacteria</i> . <i>Molecular Microbiology</i> , 2018, 110, 1-10.	1.2	35
1834	Sensitive and label-free discrimination of 5-hydroxymethylcytosine and 5-methylcytosine in DNA by ligation-mediated rolling circle amplification. <i>Chemical Communications</i> , 2018, 54, 8602-8605.	2.2	24
1835	The Role of Bioinformatics in Epigenetics. , 2018, , 39-53.		1
1836	Autophagy and Epigenetics. , 2018, , 295-303.		0
1837	Idiopathic pulmonary fibrosis: pathogenesis and management. <i>Respiratory Research</i> , 2018, 19, 32.	1.4	339
1838	SMYD2 promoter DNA methylation is associated with abdominal aortic aneurysm (AAA) and SMYD2 expression in vascular smooth muscle cells. <i>Clinical Epigenetics</i> , 2018, 10, 29.	1.8	37
1839	Human Adrenal Cortex: Epigenetics and Postnatal Functional Zonation. <i>Hormone Research in Paediatrics</i> , 2018, 89, 331-340.	0.8	7

#	ARTICLE	IF	CITATIONS
1840	An epigenome-wide study of obesity in African American youth and young adults: novel findings, replication in neutrophils, and relationship with gene expression. <i>Clinical Epigenetics</i> , 2018, 10, 3.	1.8	33
1841	MicroRNA-29b/142-5p contribute to the pathogenesis of biliary atresia by regulating the IFN- $\beta$ gene. <i>Cell Death and Disease</i> , 2018, 9, 545.	2.7	23
1842	Excess maternal fructose consumption impairs hippocampal function in offspring <i>via</i> epigenetic modification of BDNF promoter. <i>FASEB Journal</i> , 2018, 32, 2549-2562.	0.2	47
1843	<i>Epigenetics in Toxicology.</i> , 2018, , 415-446.		1
1844	<i>Mesenchymal Differentiation, Epigenetic Dynamics, and Interactions With VDR.</i> , 2018, , 227-243.		0
1845	ChIP-seq analysis reveals alteration of H3K4 trimethylation occupancy in cancer-related genes by cold atmospheric plasma. <i>Free Radical Biology and Medicine</i> , 2018, 126, 133-141.	1.3	21
1846	Dynamic demethylation of the <i>IL2RA</i> promoter during <i>in vitro</i> CD4+ T cell activation in association with <i>IL2RA</i> expression. <i>Epigenetics</i> , 2018, 13, 459-472.	1.3	16
1847	Candidate genes linking maternal nutrient exposure to offspring health via DNA methylation: a review of existing evidence in humans with specific focus on one-carbon metabolism. <i>International Journal of Epidemiology</i> , 2018, 47, 1910-1937.	0.9	51
1848	Epigenetic Mechanisms Link Maternal Diets and Gut Microbiome to Obesity in the Offspring. <i>Frontiers in Genetics</i> , 2018, 9, 342.	1.1	96
1849	Diarylcyclopropane hydroxamic acid inhibitors of histone deacetylase 4 designed by combinatorial approach and QM/MM calculations. <i>Journal of Molecular Graphics and Modelling</i> , 2018, 85, 97-110.	1.3	4
1850	Lung resident mesenchymal cells isolated from patients with the Bronchiolitis Obliterans Syndrome display a deregulated epigenetic profile. <i>Scientific Reports</i> , 2018, 8, 11167.	1.6	10
1851	DNA methylation detection: recent developments in bisulfite free electrochemical and optical approaches. <i>Analyst</i> , The, 2018, 143, 4802-4818.	1.7	41
1852	Live-Cell Imaging of DNA Methylation Based on Synthetic Molecule/Protein Hybrid Probe. <i>Chemical Record</i> , 2018, 18, 1672-1680.	2.9	8
1853	Epigenetic Modifications Linked to T2D, the Heritability Gap, and Potential Therapeutic Targets. <i>Biochemical Genetics</i> , 2018, 56, 553-574.	0.8	11
1854	Epigenetic cerebellar diseases. <i>Handbook of Clinical Neurology</i> / Edited By P J Vinken and G W Bruyn, 2018, 155, 227-244.	1.0	18
1855	A modular dCas9-SunTag DNMT3A epigenome editing system overcomes pervasive off-target activity of direct fusion dCas9-DNMT3A constructs. <i>Genome Research</i> , 2018, 28, 1193-1206.	2.4	123
1856	gDNA extraction yield and methylation status of blood samples are affected by long-term storage conditions. <i>PLoS ONE</i> , 2018, 13, e0192414.	1.1	24
1857	Profiling DNA methylation differences between inbred mouse strains on the Illumina Human Infinium MethylationEPIC microarray. <i>PLoS ONE</i> , 2018, 13, e0193496.	1.1	22

#	ARTICLE	IF	CITATIONS
1858	From chemo-prevention to epigenetic regulation: The role of isothiocyanates in skin cancer prevention. , 2018, 190, 187-201.		33
1859	Improvement of S N Ar Reaction Rate by an Electronâ€Withdrawing Group in the Crosslinking of DNA Cytosineâ€5 Methyltransferase by a Covalent Oligodeoxyribonucleotide Inhibitor. ChemBioChem, 2018, 19, 1866-1872.	1.3	3
1860	The Epigenetic Regulation of Telomere Maintenance in Aging. , 2018, , 119-136.		4
1861	<scp>DNA</scp> methylation profiles of immune responseâ€related genes in apical periodontitis. International Endodontic Journal, 2019, 52, 5-12.	2.3	16
1864	Functional Genomics. , 2019, , 118-133.		5
1865	The Cancer Epigenome: Exploiting Its Vulnerabilities for Immunotherapy. Trends in Cell Biology, 2019, 29, 31-43.	3.6	79
1866	A comparative analysis of cell-type adjustment methods for epigenome-wide association studies based on simulated and real data sets. Briefings in Bioinformatics, 2019, 20, 2055-2065.	3.2	15
1867	Dietary compounds as potential modulators of microRNA expression in psoriasis. Therapeutic Advances in Chronic Disease, 2019, 10, 204062231986480.	1.1	63
1868	Asymmetrical methyltransferase PRMT3 regulates human mesenchymal stem cell osteogenesis via miR-3648. Cell Death and Disease, 2019, 10, 581.	2.7	36
1869	Interaction Among Sex, Aging, and Epigenetic Processes Concerning Visceral Fat, Insulin Resistance, and Dyslipidaemia. Frontiers in Endocrinology, 2019, 10, 496.	1.5	36
1870	Molecular Systems Biology of Neurodevelopmental Disorders, Rett Syndrome as an Archetype. Frontiers in Integrative Neuroscience, 2019, 13, 30.	1.0	14
1871	Genetic and Epigenetic Profiling in Personalized Medicine: Advances in Treatment of Acute Myeloid Leukemia. Europeanization and Globalization, 2019, , 341-374.	0.1	0
1872	Epigenetic Changes as a Target in Aging Haematopoietic Stem Cells and Age-Related Malignancies. Cells, 2019, 8, 868.	1.8	17
1873	Personalized Medicine in Healthcare Systems. Europeanization and Globalization, 2019, , .	0.1	2
1874	The epigenomic impact of methylation in metabolic dysfunction and cancer. , 2019, , 67-83.		1
1875	Epigenetic metaphors: an interdisciplinary translation of encoding and decoding. New Genetics and Society, 2019, 38, 264-288.	0.7	4
1876	5-Aza-2-deoxycytidine Enhances the Sensitivity of 5-Fluorouracil by Demethylation of the Thymidine Phosphorylase Promoter. Anticancer Research, 2019, 39, 4129-4136.	0.5	6
1877	A randomized controlled trial for overweight and obesity in preschoolers: the More and Less Europe studyâ€ an intervention within the STOP project. BMC Public Health, 2019, 19, 945.	1.2	25

#	ARTICLE	IF	CITATIONS
1878	A four-DNA methylation biomarker is a superior predictor of survival of patients with cutaneous melanoma. <i>ELife</i> , 2019, 8, .	2.8	69
1879	Design, Synthesis, and Biological Evaluation of 2,4-Imidazolinedione Derivatives as HDAC6 Isoform-Selective Inhibitors. <i>ACS Medicinal Chemistry Letters</i> , 2019, 10, 1122-1127.	1.3	17
1880	Epidrugs: targeting epigenetic marks in cancer treatment. <i>Epigenetics</i> , 2019, 14, 1164-1176.	1.3	183
1881	Potential facet for prenatal arsenic exposure paradigm: linking endocrine disruption and epigenetics. <i>Nucleus (India)</i> , 2019, 62, 127-142.	0.9	9
1882	Substituted anthraquinones represent a potential scaffold for DNA methyltransferase 1-specific inhibitors. <i>PLoS ONE</i> , 2019, 14, e0219830.	1.1	11
1883	MicroRNA Regulation of Epigenetic Modifiers in Breast Cancer. <i>Cancers</i> , 2019, 11, 897.	1.7	52
1884	Epigenetic Alterations in Juvenile Spondyloarthritis Patients: a Preliminary Study of Selected Genes Promoter Methylation and Silencing. <i>SN Comprehensive Clinical Medicine</i> , 2019, 1, 496-501.	0.3	2
1885	Roles and regulation of histone methylation in animal development. <i>Nature Reviews Molecular Cell Biology</i> , 2019, 20, 625-641.	16.1	324
1886	&lt;p&gt;A single-nucleotide polymorphism influences brain morphology in drug-naïve patients with major depressive disorder&lt;/p&gt;. <i>Neuropsychiatric Disease and Treatment</i> , 2019, Volume 15, 2425-2432.	1.0	9
1887	Diabetic kidney diseases revisited: A new perspective for a new era. <i>Molecular Metabolism</i> , 2019, 30, 250-263.	3.0	122
1888	DNA methylation, microRNA expression profiles and their relationships with transcriptome in grass-fed and grain-fed Angus cattle rumen tissue. <i>PLoS ONE</i> , 2019, 14, e0214559.	1.1	10
1889	Epigenetic synthetic lethality approaches in cancer therapy. <i>Clinical Epigenetics</i> , 2019, 11, 136.	1.8	26
1890	Phylogenetic Analysis to Explore the Association Between Anti-NMDA Receptor Encephalitis and Tumors Based on microRNA Biomarkers. <i>Biomolecules</i> , 2019, 9, 572.	1.8	11
1891	MOWChIP-seq for low-input and multiplexed profiling of genome-wide histone modifications. <i>Nature Protocols</i> , 2019, 14, 3366-3394.	5.5	29
1892	Epigenetic biomarkers in metabolic syndrome and obesity. , 2019, , 269-287.		4
1893	Altered 5-Hydroxymethylcytosine Landscape in Primary Gastric Adenocarcinoma. <i>DNA and Cell Biology</i> , 2019, 38, 1460-1469.	0.9	4
1894	The Future of Clinical Diagnosis. <i>Advances in Molecular Pathology</i> , 2019, 2, 13-19.	0.2	2
1895	Genome-wide DNA methylation changes in placenta tissues associated with small for gestational age newborns; cohort study in the Chinese population. <i>Epigenomics</i> , 2019, 11, 1399-1412.	1.0	6

#	ARTICLE	IF	CITATIONS
1896	Methylation status and expression patterns of myomaker gene play important roles in postnatal development in the Japanese flounder ( <i>Paralichthys olivaceus</i> ). <i>General and Comparative Endocrinology</i> , 2019, 280, 104-114.	0.8	6
1897	Epigenetic Modification Related to Acetylation of Histone and Methylation of DNA as a Key Player in Immunological Disorders. <i>Critical Reviews in Eukaryotic Gene Expression</i> , 2019, 29, 1-15.	0.4	13
1899	Updates on the Effect of Mycotoxins on Male Reproductive Efficiency in Mammals. <i>Toxins</i> , 2019, 11, 515.	1.5	38
1900	Epigenetic role of thymoquinone: impact on cellular mechanism and cancer therapeutics. <i>Drug Discovery Today</i> , 2019, 24, 2315-2322.	3.2	51
1901	Biosensors for epigenetic biomarkers detection: A review. <i>Biosensors and Bioelectronics</i> , 2019, 144, 111695.	5.3	28
1902	Epigenetics-inspired photosensitizer modification for plasma membrane-targeted photodynamic tumor therapy. <i>Biomaterials</i> , 2019, 224, 119497.	5.7	24
1903	Rationally Engineered Nucleic Acid Architectures for Biosensing Applications. <i>Chemical Reviews</i> , 2019, 119, 11631-11717.	23.0	207
1904	Rapid and Definitive Analysis of In Vitro DNA Methylation by Nano-electrospray Ionization Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2019, 30, 2335-2346.	1.2	3
1905	Microfluidic MeDIP-seq for low-input methylomic analysis of mammary tumorigenesis in mice. <i>Analyst</i> , 2019, 144, 1904-1915.	1.7	8
1906	<i>EGLN2</i> DNA methylation and expression interact with <i>HIF1A</i> to affect survival of early-stage NSCLC. <i>Epigenetics</i> , 2019, 14, 118-129.	1.3	28
1907	Recent Advances in Craniosynostosis. <i>Pediatric Neurology</i> , 2019, 99, 7-15.	1.0	30
1908	Utility of Combined EZH2, p-ERK1/2, p-STAT, and MYC Expression in the Differential Diagnosis of EZH2-positive Hodgkin Lymphomas and Related Large B-Cell Lymphomas. <i>American Journal of Surgical Pathology</i> , 2019, 43, 102-109.	2.1	12
1909	Epigenetic Modifications of the Liver Tumor Cell Line HepG2 Increase Their Drug Metabolic Capacity. <i>International Journal of Molecular Sciences</i> , 2019, 20, 347.	1.8	23
1910	Welding Fume Exposure and Epigenetic Alterations: A Systematic Review. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 1745.	1.2	7
1912	Epigenetics and vascular diseases. <i>Journal of Molecular and Cellular Cardiology</i> , 2019, 133, 148-163.	0.9	36
1913	The role of epigenetic modifications in the osteogenic differentiation of adipose-derived stem cells. <i>Connective Tissue Research</i> , 2019, 60, 507-520.	1.1	6
1915	Investigation of epigenetics in kidney cell biology. <i>Methods in Cell Biology</i> , 2019, 153, 255-278.	0.5	8
1916	Pharmacoeugenetics of Immunological Disorders. , 2019, , 573-586.		0



#	ARTICLE	IF	CITATIONS
1917	Clinical-pathological correlations of BAV and the attendant thoracic aortopathies. Part 2: Pluridisciplinary perspective on their genetic and molecular origins. <i>Journal of Molecular and Cellular Cardiology</i> , 2019, 133, 233-246.	0.9	3
1918	Pelargonidin reduces the TPA induced transformation of mouse epidermal cells – potential involvement of Nrf2 promoter demethylation. <i>Chemico-Biological Interactions</i> , 2019, 309, 108701.	1.7	24
1919	Non-invasive detection of DNA methylation states in carcinoma and pluripotent stem cells using Raman microspectroscopy and imaging. <i>Scientific Reports</i> , 2019, 9, 7014.	1.6	24
1920	The Association Between Affective Temperament Traits and Dopamine Genes in Obese Population. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1847.	1.8	6
1921	Insight into the selective binding mechanism of DNMT1 and DNMT3A inhibitors: a molecular simulation study. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 12931-12947.	1.3	39
1922	Potential epigenomic co-management in rare diseases and epigenetic therapy. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2019, 38, 752-780.	0.4	5
1923	Detection of epigenetic effects of citrinin using a yeast-based bioassay. <i>Mycotoxin Research</i> , 2019, 35, 363-368.	1.3	4
1924	Obesity-Related Epigenetic Changes After Bariatric Surgery. <i>Frontiers in Endocrinology</i> , 2019, 10, 232.	1.5	38
1925	Age estimation based on molecular biology approaches. , 2019, , 213-223.		0
1926	The Complex Interplay between Metabolic Reprogramming and Epigenetic Alterations in Renal Cell Carcinoma. <i>Genes</i> , 2019, 10, 264.	1.0	18
1927	The Suv420h histone methyltransferases regulate PPAR- $\beta$ and energy expenditure in response to environmental stimuli. <i>Science Advances</i> , 2019, 5, eaav1472.	4.7	13
1928	Biologische Grundlagen der Aufmerksamkeitsdefizits-/Hyperaktivitätsstörung (ADHS) des Erwachsenenalters. , 2019, , 1-25.		0
1929	Structural and Energetic Impact of Non-natural 7-Deaza-8-Azaguanine, 7-Deaza-8-Azaisoguanine, and Their 7-Substituted Derivatives on Hydrogen-Bond Pairing with Cytosine and Isocytosine. <i>ChemBioChem</i> , 2019, 20, 2262-2270.	1.3	4
1930	Absence of mitochondrial DNA methylation in mouse oocyte maturation, aging and early embryo development. <i>Biochemical and Biophysical Research Communications</i> , 2019, 513, 912-918.	1.0	18
1931	Growth Factor Independence 1B-Mediated Transcriptional Repression and Lineage Allocation Require Lysine-Specific Demethylase 1-Dependent Recruitment of the BHC Complex. <i>Molecular and Cellular Biology</i> , 2019, 39, .	1.1	25
1932	Detection and manipulation of methylation in blood cancer DNA using terahertz radiation. <i>Scientific Reports</i> , 2019, 9, 6413.	1.6	59
1933	The DNA methylation profile of human spermatogonia at single-cell- and single-allele-resolution refutes its role in spermatogonial stem cell function and germ cell differentiation. <i>Molecular Human Reproduction</i> , 2019, 25, 283-294.	1.3	8
1934	Role of epigenomic mechanisms in the onset and management of insulin resistance. <i>Reviews in Endocrine and Metabolic Disorders</i> , 2019, 20, 89-102.	2.6	15

#	ARTICLE	IF	CITATIONS
1936	Compilation of Modern Technologies To Map Genome-Wide Cytosine Modifications in DNA. <i>ChemBioChem</i> , 2019, 20, 1898-1905.	1.3	9
1937	Don't brush off buccal data heterogeneity. <i>Epigenetics</i> , 2019, 14, 109-117.	1.3	8
1938	Control of viral infections by epigenetic-targeted therapy. <i>Clinical Epigenetics</i> , 2019, 11, 55.	1.8	67
1939	Genome-wide methylation is modified by caloric restriction in <i>Daphnia magna</i> . <i>BMC Genomics</i> , 2019, 20, 197.	1.2	21
1940	Genomic tools for environmental epigenetics and implications for public health. <i>Current Opinion in Toxicology</i> , 2019, 18, 27-33.	2.6	13
1941	Inhibitory effect of ochratoxin A on DNMT-mediated flocculation of yeast. <i>Mutagenesis</i> , 2019, 34, 173-180.	1.0	3
1942	Histone H3 trimethylation at lysine 36 guides m6A RNA modification co-transcriptionally. <i>Nature</i> , 2019, 567, 414-419.	13.7	452
1943	Synthesis of 2-Amino-4-Fluoropyridine-C Nucleoside Phosphoramidite for Incorporation into Oligonucleotides. <i>Current Protocols in Nucleic Acid Chemistry</i> , 2019, 77, e77.	0.5	2
1944	Genetic, epigenetic, and developmental toxicity of <i>Chironomus riparius</i> raised in metal-contaminated field sediments: A multi-generational study with arsenic as a second challenge. <i>Science of the Total Environment</i> , 2019, 672, 789-797.	3.9	22
1945	Epigenetic Enzyme Mutations: Role in Tumorigenesis and Molecular Inhibitors. <i>Frontiers in Oncology</i> , 2019, 9, 194.	1.3	73
1946	<i>SIPA1L3</i> methylation modifies the benefit of smoking cessation on lung adenocarcinoma survival: an epigenetic-smoking interaction analysis. <i>Molecular Oncology</i> , 2019, 13, 1235-1248.	2.1	19
1947	Pharmacogenomics of chronic obstructive pulmonary disease. <i>Expert Review of Respiratory Medicine</i> , 2019, 13, 459-470.	1.0	8
1948	High-Fat Diet and Maternal Obesity-Associated Epigenetic Regulation of Bone Development. , 2019, , 1143-1159.		0
1949	Genome-wide identification, classification and expression analysis of the JmjC domain-containing histone demethylase gene family in maize. <i>BMC Genomics</i> , 2019, 20, 256.	1.2	31
1950	Role of Genetic and Epigenetic Alterations in Pathogenesis of Neuroblastoma. , 2019, , 23-41.		0
1951	Role of epigenetic regulation in mammalian sex determination. <i>Current Topics in Developmental Biology</i> , 2019, 134, 195-221.	1.0	14
1952	Construction and validation of the CRISPR/dCas9-EZH2 system for targeted H3K27Me3 modification. <i>Biochemical and Biophysical Research Communications</i> , 2019, 511, 246-252.	1.0	19
1953	Epithelial Mutations in Endometriosis: Link to Ovarian Cancer. <i>Endocrinology</i> , 2019, 160, 626-638.	1.4	67

#	ARTICLE	IF	CITATIONS
1954	Argininosuccinate synthase 1 suppresses cancer cell invasion by inhibiting STAT3 pathway in hepatocellular carcinoma. <i>Acta Biochimica Et Biophysica Sinica</i> , 2019, 51, 263-276.	0.9	18
1955	Epigenetic Effects of Curcumin in Cancer Prevention. , 2019, , 107-128.		12
1956	Prevention of Breast Cancer by Food Bioactives in Relation to Cancer Subtypes. , 2019, , 309-332.		0
1957	Dual-Amplification Strategy-Based SERS Chip for Sensitive and Reproducible Detection of DNA Methyltransferase Activity in Human Serum. <i>Analytical Chemistry</i> , 2019, 91, 3597-3603.	3.2	41
1958	Epigenetic Risk Profile of Diabetic Kidney Disease in High-Risk Populations. <i>Current Diabetes Reports</i> , 2019, 19, 9.	1.7	8
1959	A Photo-responsive Small-Molecule Approach for the Opto-epigenetic Modulation of DNA Methylation. <i>Angewandte Chemie</i> , 2019, 131, 6692-6696.	1.6	6
1960	Epigenetic modification in 4T1 mouse breast cancer model by artificial light at night and melatonin – the role of DNA-methyltransferase. <i>Chronobiology International</i> , 2019, 36, 629-643.	0.9	21
1961	A Photo-responsive Small-Molecule Approach for the Opto-epigenetic Modulation of DNA Methylation. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 6620-6624.	7.2	13
1962	The therapeutic role of long non-coding RNAs in human diseases: A focus on the recent insights into autophagy. <i>Pharmacological Research</i> , 2019, 142, 22-29.	3.1	39
1963	Restoring T Cell Tolerance, Exploring the Potential of Histone Deacetylase Inhibitors for the Treatment of Juvenile Idiopathic Arthritis. <i>Frontiers in Immunology</i> , 2019, 10, 151.	2.2	23
1964	Targeting Cell Senescence for the Treatment of Age-Related Bone Loss. <i>Current Osteoporosis Reports</i> , 2019, 17, 70-85.	1.5	32
1965	Dust induces lung fibrosis through dysregulated DNA methylation. <i>Environmental Toxicology</i> , 2019, 34, 728-741.	2.1	17
1966	<p>Genetic effects on white matter integrity in drug-naive patients with major depressive disorder: a diffusion tensor imaging study of 17 genetic loci associated with depressive symptoms</p>. <i>Neuropsychiatric Disease and Treatment</i> , 2019, Volume 15, 375-383.	1.0	29
1967	The role of epigenetics in respiratory health in urban populations in low and middle-income countries. <i>Global Health, Epidemiology and Genomics</i> , 2019, 4, e8.	0.2	1
1968	Prenatal Administration of Dexamethasone Leads to Decreased Lysine 24 Acetylation of Histone H3 in the Neocortex and Hippocampus of Adult Rats. <i>Cell and Tissue Biology</i> , 2019, 13, 305-311.	0.2	0
1969	Development of high-resolution melting analysis for ABCB1 promoter methylation: Clinical consequences in breast and ovarian carcinoma. <i>Oncology Reports</i> , 2019, 42, 763-774.	1.2	9
1970	Molecular Mechanisms of Aging: The Role of Oxidative Stress and Epigenetic Modifications. <i>Advances in Gerontology</i> , 2019, 9, 417-425.	0.1	6
1971	Identification of Epigenetic Regulation on The Expression of The Aberrant Gene of Kidney Renal Clear Cell Carcinoma Patients Observed in a Specific Race. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 546, 062001.	0.3	0

#	ARTICLE	IF	CITATIONS
1972	&lt;p&gt;DNA Methyltransferase Inhibitors: Catalysts For Antitumour Immune Responses&lt;/p&gt;. OncoTargets and Therapy, 2019, Volume 12, 10903-10916.	1.0	53
1973	Epigenetic Modifications in Stress Response Genes Associated With Childhood Trauma. Frontiers in Psychiatry, 2019, 10, 808.	1.3	133
1974	Epigenetic modifications of histones in cancer. Genome Biology, 2019, 20, 245.	3.8	322
1975	Chemical Compounds Targeting DNA Methylation and Hydroxymethylation. Topics in Medicinal Chemistry, 2019, , 255-286.	0.4	1
1976	Early-life Pb exposure as a potential risk factor for Alzheimerâ€™s disease: are there hazards for the Mexican population?. Journal of Biological Inorganic Chemistry, 2019, 24, 1285-1303.	1.1	11
1977	Physiological and Epigenetic Features of Yoyo Dieting and Weight Control. Frontiers in Genetics, 2019, 10, 1015.	1.1	20
1978	Genetic risk factors and geneâ€™environment interactions in adult and childhood attention-deficit/hyperactivity disorder. Psychiatric Genetics, 2019, 29, 63-78.	0.6	58
1979	What potential is there for LSD1 inhibitors to reach approval for AML?. Expert Opinion on Emerging Drugs, 2019, 24, 205-212.	1.0	14
1980	Decitabine exerted synergistic effects with oxaliplatin in colorectal cancer cells with intrinsic resistance to decitabine. Biochemical and Biophysical Research Communications, 2019, 509, 249-254.	1.0	6
1981	The emerging field of epigenetics and its relevance for the physiotherapy profession. Journal of Physiotherapy, 2019, 65, 1-2.	0.7	4
1982	Epigenetic Regulation of Peripheral Macrophages in Neuropathic Pain. , 2019, , 49-67.		2
1983	Label-Free and Immobilization-Free Electrochemical Magnetobiosensor for Sensitive Detection of 5-Hydroxymethylcytosine in Genomic DNA. Analytical Chemistry, 2019, 91, 1232-1236.	3.2	37
1984	The involvement of epigenetics in vascular disease development. International Journal of Biochemistry and Cell Biology, 2019, 107, 27-31.	1.2	19
1985	An overview of epigenetic agents and natural nutrition products targeting DNA methyltransferase, histone deacetylases and microRNAs. Food and Chemical Toxicology, 2019, 123, 574-594.	1.8	34
1986	Clinical Approaches in Endodontic Regeneration. , 2019, , .		5
1987	The relationship between mercury exposure and epigenetic alterations regarding human health, risk assessment and diagnostic strategies. Journal of Trace Elements in Medicine and Biology, 2019, 52, 37-47.	1.5	62
1988	Transgenerational lipidâ€™reducing activity of benzylisoquinoline alkaloids in <i>Caenorhabditis elegans</i> . Genes To Cells, 2019, 24, 70-81.	0.5	8
1989	The molecular hallmarks of epigenetic effects mediated by antiepileptic drugs. Epilepsy Research, 2019, 149, 53-65.	0.8	15

#	ARTICLE	IF	CITATIONS
1990	Advancements in the Development of non- $\beta$ BET Bromodomain Chemical Probes. <i>ChemMedChem</i> , 2019, 14, 362-385.	1.6	36
1991	Epigenetically modulated $\langle \text{sc} \rangle$ FOXM $\langle /sc \rangle$ 1 suppresses dendritic cell maturation in pancreatic cancer and colon cancer. <i>Molecular Oncology</i> , 2019, 13, 873-893.	2.1	43
1992	Butyrate, a Short-Chain Fatty Acid and Histone Deacetylases Inhibitor: Nutritional, Physiological, and Pharmacological Aspects in Diabetes. , 2019, , 793-807.		1
1993	Epigenetics in Hyperphagia. , 2019, , 603-621.		0
1994	Epigenetics, Inflammation, and Periodontal Disease. <i>Current Oral Health Reports</i> , 2019, 6, 37-46.	0.5	14
1995	Intra-cluster distance minimization in DNA methylation analysis using an advanced Tabu-based iterative k-medoids clustering algorithm (T-CLUST). <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2019, 17, 1-1.	1.9	5
1996	Previously uncharacterized amino acid residues in histone H3 and H4 mutants with roles in $\langle \text{sc} \rangle$ DNA $\langle /sc \rangle$ damage repair response and cellular aging. <i>FEBS Journal</i> , 2019, 286, 1154-1173.	2.2	6
1997	Promoter methylation cooperates with SNPs to modulate RAGE transcription and alter UC risk. <i>Biochemistry and Biophysics Reports</i> , 2019, 17, 17-22.	0.7	3
1998	Current and Future Views on Pulp Exposure Management and Epigenetic Influences. , 2019, , 55-75.		2
1999	When Environment Meets Genetics: A Clinical Review of the Epigenetics of Pain, Psychological Factors, and Physical Activity. <i>Archives of Physical Medicine and Rehabilitation</i> , 2019, 100, 1153-1161.	0.5	27
2000	The Intergenerational Effects on Fetal Programming. , 2019, , 361-379.		1
2001	Epigenetic dynamic during endochondral ossification and articular cartilage development. <i>Bone</i> , 2019, 120, 523-532.	1.4	24
2002	Genome-wide DNA methylation analysis reveals a prognostic classifier for non-metastatic colorectal cancer (ProMCol classifier). <i>Gut</i> , 2019, 68, 101-110.	6.1	34
2003	Search for Pharmacoe-pigenetic Correlations in Type 2 Diabetes Under Sulfonylurea Treatment. <i>Experimental and Clinical Endocrinology and Diabetes</i> , 2019, 127, 226-233.	0.6	8
2004	Dual Effect of IL-6 -174 G/C Polymorphism and Promoter Methylation in the Risk of Coronary Artery Disease Among South Indians. <i>Indian Journal of Clinical Biochemistry</i> , 2019, 34, 180-187.	0.9	5
2005	Compound C620-0696, a new potent inhibitor targeting BPTF, the chromatin-remodeling factor in non-small-cell lung cancer. <i>Frontiers of Medicine</i> , 2020, 14, 60-67.	1.5	19
2006	Choline: The Neurocognitive Essential Nutrient of Interest to Obstetricians and Gynecologists. <i>Journal of Dietary Supplements</i> , 2020, 17, 733-752.	1.4	24
2007	Molecular diagnostics in oral cancer and oral potentially malignant disorders – A clinician’s guide. <i>Journal of Oral Pathology and Medicine</i> , 2020, 49, 1-8.	1.4	17

#	ARTICLE	IF	CITATIONS
2008	Epigenetic regulation of microglial phosphatidylinositol 3-kinase pathway involved in long-term potentiation and synaptic plasticity in rats. <i>Glia</i> , 2020, 68, 656-669.	2.5	46
2009	Peripheral nerve injury and myelination: Potential therapeutic strategies. <i>Journal of Neuroscience Research</i> , 2020, 98, 780-795.	1.3	108
2010	Prostaglandin E2 Reverses the Effects of DNA Methyltransferase Inhibitor and TGFβ1 on the Conversion of Naive T Cells to iTregs. <i>Transfusion Medicine and Hemotherapy</i> , 2020, 47, 244-253.	0.7	5
2011	Epigenetics and cell cycle regulation in cystogenesis. <i>Cellular Signalling</i> , 2020, 68, 109509.	1.7	19
2012	A patent review of histone deacetylase 6 inhibitors in neurodegenerative diseases (2014-2019). <i>Expert Opinion on Therapeutic Patents</i> , 2020, 30, 121-136.	2.4	56
2013	Genome-wide methylation and expression profiling identify methylation-associated genes in colorectal cancer. <i>Epigenomics</i> , 2020, 12, 19-36.	1.0	10
2014	Epigenetics of Autoimmune Diseases. , 2020, , 429-466.		1
2015	Insights into the epigenetic effects of nanomaterials on cells. <i>Biomaterials Science</i> , 2020, 8, 763-775.	2.6	33
2016	Runx2 plays a central role in Osteoarthritis development. <i>Journal of Orthopaedic Translation</i> , 2020, 23, 132-139.	1.9	56
2017	Epigenetic and miRNA Expression Changes in People with Pain: A Systematic Review. <i>Journal of Pain</i> , 2020, 21, 763-780.	0.7	35
2018	Oral Cancer. <i>Surgical Oncology Clinics of North America</i> , 2020, 29, 127-144.	0.6	19
2019	Epigenetic regulation of prostate cancer. <i>Genes and Diseases</i> , 2020, 7, 606-613.	1.5	14
2020	Epigenetic control of tumor angiogenesis. <i>Microcirculation</i> , 2020, 27, e12602.	1.0	11
2021	Food components affecting the epigenome: Ergogenic aids for performance. <i>PharmaNutrition</i> , 2020, 14, 100231.	0.8	2
2022	The Role of lncRNA Crosstalk in Leading Cancer Metastasis of Head and Neck Squamous Cell Carcinoma. <i>Frontiers in Oncology</i> , 2020, 10, 561833.	1.3	17
2023	Advances in Prognostic Methylation Biomarkers for Prostate Cancer. <i>Cancers</i> , 2020, 12, 2993.	1.7	16
2024	DNA methylation alterations and their potential influence on macrophage in periodontitis. <i>Oral Diseases</i> , 2022, 28, 249-263.	1.5	8
2025	Principles of bi-sulfite conversion of DNA and methylation-specific PCR (MSP) in biological research. , 2020, , 17-36.		1

#	ARTICLE	IF	CITATIONS
2026	The Role of Extracellular Vesicles (EVs) in the Epigenetic Regulation of Bone Metabolism and Osteoporosis. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8682.	1.8	24
2027	EZH2 as a Potential Target for NAFLD Therapy. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8617.	1.8	17
2028	Molecular Mechanisms of Glutamate Toxicity in Parkinson's Disease. <i>Frontiers in Neuroscience</i> , 2020, 14, 585584.	1.4	106
2029	Characterization and Stress Response of the JmjC Domain-Containing Histone Demethylase Gene Family in the Allotetraploid Cotton Species <i>Gossypium hirsutum</i> . <i>Plants</i> , 2020, 9, 1617.	1.6	5
2030	Effect of non-enzymatic glycosylation in the epigenetics of cancer. <i>Seminars in Cancer Biology</i> , 2022, 83, 543-555.	4.3	21
2031	The crucial role of epigenetic regulation in breast cancer anti-estrogen resistance: Current findings and future perspectives. <i>Seminars in Cancer Biology</i> , 2022, 82, 35-59.	4.3	31
2032	Association between SIRT6 Methylation and Human Longevity in a Chinese Population. <i>Public Health Genomics</i> , 2020, 23, 190-199.	0.6	3
2033	Effects of aging on DNA hydroxymethylation and methylation in human dental follicles. <i>Archives of Oral Biology</i> , 2020, 118, 104856.	0.8	4
2034	Epigenomic Dysregulation in Schizophrenia: In Search of Disease Etiology and Biomarkers. <i>Cells</i> , 2020, 9, 1837.	1.8	55
2035	Physical modeling of the heritability and maintenance of epigenetic modifications. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 20423-20429.	3.3	41
2036	DNA methylation enables transposable element-driven genome expansion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 19359-19366.	3.3	109
2037	LSD1 Promotes Bladder Cancer Progression by Upregulating LEF1 and Enhancing EMT. <i>Frontiers in Oncology</i> , 2020, 10, 1234.	1.3	27
2038	DNA Methyltransferases in Cancer: Biology, Paradox, Aberrations, and Targeted Therapy. <i>Cancers</i> , 2020, 12, 2123.	1.7	124
2039	Identification by TCGA database search of five genes that are aberrantly expressed and involved in hepatocellular carcinoma potentially via DNA methylation changes. <i>Environmental Health and Preventive Medicine</i> , 2020, 25, 31.	1.4	12
2040	The Oncosuppressors <i>MEN1</i> and <i>CDC73</i> Are Involved in <i>lncRNA</i> Deregulation in Human Parathyroid Tumors. <i>Journal of Bone and Mineral Research</i> , 2020, 35, 2423-2431.	3.1	11
2041	DNA Methylation as a Therapeutic Target for Bladder Cancer. <i>Cells</i> , 2020, 9, 1850.	1.8	35
2042	Genetics and Epigenetics of Atrial Fibrillation. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5717.	1.8	57
2043	Roles of N6-Methyladenosine (m6A) in Stem Cell Fate Decisions and Early Embryonic Development in Mammals. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 782.	1.8	57



#	ARTICLE	IF	CITATIONS
2044	Evaluation of post-translational modifications in histone proteins: A review on histone modification defects in developmental and neurological disorders. <i>Journal of Biosciences</i> , 2020, 45, 1.	0.5	79
2045	Recent advances in small molecular modulators targeting histone deacetylase 6. <i>Future Drug Discovery</i> , 2020, 2, FDD53.	0.8	12
2046	Uncovering epigenetic landscape: a new path for biomarkers identification and drug development. <i>Molecular Biology Reports</i> , 2020, 47, 9097-9122.	1.0	4
2047	Antitumor activity of the dual BET and CBP/EP300 inhibitor NEO2734. <i>Blood Advances</i> , 2020, 4, 4124-4135.	2.5	37
2048	Epigenetic-based cancer therapeutics: new potential HDAC8 inhibitors. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 297-311.	2.0	5
2049	Epigenetic Consequences of Adversity and Intervention Throughout the Lifespan: Implications for Public Policy and Healthcare. <i>Adversity and Resilience Science</i> , 2020, 1, 205-216.	1.2	4
2050	Targeting Epigenetic Aberrations in Esophageal Squamous Cell Carcinoma. <i>Current Pharmacology Reports</i> , 2020, 6, 415-428.	1.5	1
2051	EGCG Attenuates Renal Damage via Reversing Klotho Hypermethylation in Diabetic db/db Mice and HK-2 Cells. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-17.	1.9	26
2052	Gene-Editing Technologies Paired With Viral Vectors for Translational Research Into Neurodegenerative Diseases. <i>Frontiers in Molecular Neuroscience</i> , 2020, 13, 148.	1.4	20
2053	Hypermethylation of SCAND3 and Myo1g Gene Are Potential Diagnostic Biomarkers for Hepatocellular Carcinoma. <i>Cancers</i> , 2020, 12, 2332.	1.7	8
2054	Epigenetic-smoking interaction reveals histologically heterogeneous effects of TRIM27 DNA methylation on overall survival among early-stage NSCLC patients. <i>Molecular Oncology</i> , 2020, 14, 2759-2774.	2.1	13
2055	Combinatorial Epigenetic and Immunotherapy in Breast Cancer Management: A Literature Review. <i>Epigenomes</i> , 2020, 4, 27.	0.8	6
2056	Post-translational modifications of EZH2 in cancer. <i>Cell and Bioscience</i> , 2020, 10, 143.	2.1	47
2057	Association of Promoter Methylation and Expression of Inflammatory Genes IL-6 and TNF- $\alpha$ with the Risk of Coronary Artery Disease in Diabetic and Obese Subjects among Asian Indians. <i>Indian Journal of Clinical Biochemistry</i> , 2022, 37, 29-39.	0.9	3
2058	Non-Coding RNAs as Mediators of Epigenetic Changes in Malignancies. <i>Cancers</i> , 2020, 12, 3657.	1.7	64
2059	Aberrant DNA Methylation of ABC Transporters in Cancer. <i>Cells</i> , 2020, 9, 2281.	1.8	23
2060	Dietary molecules and experimental evidence of epigenetic influence in cancer chemoprevention: An insight. <i>Seminars in Cancer Biology</i> , 2020, , .	4.3	5
2061	Whole Genome 5-Methylcytosine Level Quantification in Cirrhotic HCV-Infected Egyptian Patients with and without Hepatocellular Carcinoma. <i>International Journal of Genomics</i> , 2020, 2020, 1-8.	0.8	0

#	ARTICLE	IF	CITATIONS
2062	Sensitivity-Improved SERS Detection of Methyltransferase Assisted by Plasmonically Engineered Nanoholes Array and Hybridization Chain Reaction. <i>ACS Sensors</i> , 2020, 5, 3639-3648.	4.0	15
2063	Stimulation of toll-like receptor 4 downregulates the expression of $\alpha 7$ nicotinic acetylcholine receptors via histone deacetylase in rodent microglia. <i>Neurochemistry International</i> , 2020, 138, 104751.	1.9	13
2064	Histone Methyltransferase Inhibition Has a Cytotoxic Impact on Transformed Mast Cells: Implications for Mastocytosis. <i>Anticancer Research</i> , 2020, 40, 2525-2536.	0.5	3
2065	Epigenetics factors in nonalcoholic fatty liver disease. <i>Expert Review of Gastroenterology and Hepatology</i> , 2022, 16, 521-536.	1.4	17
2066	DNA methylation of the <i>prkaca</i> gene involved in osmoregulation in tilapia hybrids ( <i>Oreochromis</i> Tj ETQq0 0 0 rgBT/Overlock_10 Tf 50 5	1.0	5
2067	HPV-related methylation-based reclassification and risk stratification of cervical cancer. <i>Molecular Oncology</i> , 2020, 14, 2124-2141.	2.1	29
2068	Epigenetic modifier trichostatin A enhanced osteogenic differentiation of mesenchymal stem cells by inhibiting NF- $\kappa$ B (p65) DNA binding and promoted periodontal repair in rats. <i>Journal of Cellular Physiology</i> , 2020, 235, 9691-9701.	2.0	21
2069	Ewastools: Infinium Human Methylation BeadChip pipeline for population epigenetics integrated into Galaxy. <i>GigaScience</i> , 2020, 9, .	3.3	12
2070	Epigenetic regulation in the pathophysiology of Lewy body dementia. <i>Progress in Neurobiology</i> , 2020, 192, 101822.	2.8	10
2071	Cell free DNA biology and its involvement in breast carcinogenesis. <i>Advances in Clinical Chemistry</i> , 2020, 97, 171-223.	1.8	6
2072	The Future of Clinical Diagnosis. <i>Clinics in Laboratory Medicine</i> , 2020, 40, 221-230.	0.7	1
2073	Cold-hearted: A case for cold stress in cancer risk. <i>Journal of Thermal Biology</i> , 2020, 91, 102608.	1.1	16
2074	Effects of fermented rice bran on DEN-induced oxidative stress in mice: GSTP1 , LINE1 methylation, and telomere length ratio. <i>Journal of Food Biochemistry</i> , 2020, 44, e13274.	1.2	2
2075	Epigenetic Effects on Pediatric Traumatic Brain Injury Recovery (EETR): An Observational, Prospective, Longitudinal Concurrent Cohort Study Protocol. <i>Frontiers in Neurology</i> , 2020, 11, 460.	1.1	6
2076	Epigenetics of spondyloarthritis. <i>Joint Bone Spine</i> , 2020, 87, 565-571.	0.8	8
2077	Role of microRNA and Long Non-Coding RNA in Hepatocellular Carcinoma. <i>Current Pharmaceutical Design</i> , 2020, 26, 415-428.	0.9	22
2078	Inhibition of lysine acetyltransferases impairs tumor angiogenesis acting on both endothelial and tumor cells. <i>Journal of Experimental and Clinical Cancer Research</i> , 2020, 39, 103.	3.5	5
2079	The Role of Histone Acetyltransferases and Histone Deacetylases in Photoreceptor Differentiation and Degeneration. <i>International Journal of Medical Sciences</i> , 2020, 17, 1307-1314.	1.1	12

#	ARTICLE	IF	CITATIONS
2080	Epigenetic control of natriuretic peptides: implications for health and disease. Cellular and Molecular Life Sciences, 2020, 77, 5121-5130.	2.4	15
2081	Molecular Characterization of Upper Tract Urothelial Carcinoma in the Era of Next-generation Sequencing: A Systematic Review of the Current Literature. European Urology, 2020, 78, 209-220.	0.9	66
2083	Epigenome-wide association study for perceived discrimination among sub-Saharan African migrants in Europe - the RODAM study. Scientific Reports, 2020, 10, 4919.	1.6	7
2084	Independent Validation of Early-Stage Non-Small Cell Lung Cancer Prognostic Scores Incorporating Epigenetic and Transcriptional Biomarkers With Gene-Gene Interactions and Main Effects. Chest, 2020, 158, 808-819.	0.4	26
2085	Liquid Biopsy: The Unique Test for Chasing the Genetics of Solid Tumors. Epigenetics Insights, 2020, 13, 251686572090405.	0.6	27
2086	DNA methylation for cervical cancer screening: a training set in China. Clinical Epigenetics, 2020, 12, 91.	1.8	18
2087	Prognostic and predictive value of PD-L2 DNA methylation and mRNA expression in melanoma. Clinical Epigenetics, 2020, 12, 94.	1.8	26
2088	A comprehensive review of genetic alterations and molecular targeted therapies for the implementation of personalized medicine in acute myeloid leukemia. Journal of Molecular Medicine, 2020, 98, 1069-1091.	1.7	44
2089	Recognition of Nucleosomes by Chromatin Factors: Lessons from Data-Driven Docking-Based Structures of Nucleosome-Protein Complexes. , 2020, , .		2
2090	Obesity and cardiovascular disease in reproductive health. , 2020, , 255-263.		0
2091	Chemical and Light Inducible Epigenome Editing. International Journal of Molecular Sciences, 2020, 21, 998.	1.8	10
2092	Environmental epigenetics and epigenetic inheritance in domestic farm animals. Animal Reproduction Science, 2020, 220, 106316.	0.5	36
2093	Digital imaging-assisted quantification of H3K27me3 immunoexpression in luminal A/B-like, HER2-negative, invasive breast cancer predicts patient survival and risk of recurrence. Molecular Medicine, 2020, 26, 22.	1.9	3
2094	ROS in cancer therapy: the bright side of the moon. Experimental and Molecular Medicine, 2020, 52, 192-203.	3.2	1,260
2095	Amino acids in cancer. Experimental and Molecular Medicine, 2020, 52, 15-30.	3.2	424
2096	Genetic and epigenetic stability of stem cells: Epigenetic modifiers modulate the fate of mesenchymal stem cells. Genomics, 2020, 112, 3615-3623.	1.3	19
2097	Peculiarities of DNA and Histone H3 Methylation in the Hippocampus and Neocortex of Rats Subjected to Pathological Treatments during the Prenatal Period. Neurochemical Journal, 2020, 14, 64-72.	0.2	5
2098	Integrated bioinformatics analysis of expression and gene regulation network of COL12A1 in colorectal cancer. Cancer Medicine, 2020, 9, 4743-4755.	1.3	40

#	ARTICLE	IF	CITATIONS
2099	Formaldehyde Exposure and Epigenetic Effects: A Systematic Review. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 2319.	1.3	8
2100	Epigenetic Research in Stem Cell Bioengineeringâ€”Anti-Cancer Therapy, Regenerative and Reconstructive Medicine in Human Clinical Trials. <i>Cancers</i> , 2020, 12, 1016.	1.7	7
2101	Epigenetic regulation in human cancer: the potential role of epi-drug in cancer therapy. <i>Molecular Cancer</i> , 2020, 19, 79.	7.9	255
2102	A MicroRNA Network Controls <i>Legionella pneumophila</i> Replication in Human Macrophages via LGALS8 and MX1. <i>MBio</i> , 2020, 11, .	1.8	14
2103	Modern epigenetics methods in biological research. <i>Methods</i> , 2021, 187, 104-113.	1.9	97
2104	Epigenome-wide cross-tissue correlation of human bone and blood DNA methylation â€” can blood be used as a surrogate for bone?. <i>Epigenetics</i> , 2021, 16, 92-105.	1.3	19
2105	Pharmacophore-based screening of diamidine small molecule inhibitors for protein arginine methyltransferases. <i>RSC Medicinal Chemistry</i> , 2021, 12, 95-102.	1.7	3
2106	Modular arrangements of sequence motifs determine the functional diversity of KDM proteins. <i>Briefings in Bioinformatics</i> , 2021, 22, .	3.2	14
2107	Materials control of the epigenetics underlying cell plasticity. <i>Nature Reviews Materials</i> , 2021, 6, 69-83.	23.3	49
2108	Epigenetic principles underlying epileptogenesis and epilepsy syndromes. <i>Neurobiology of Disease</i> , 2021, 148, 105179.	2.1	20
2109	DNA methylation signatures of autoimmune diseases in human B lymphocytes. <i>Clinical Immunology</i> , 2021, 222, 108622.	1.4	21
2110	The Role of Epigenetics in the Chronic Sinusitis with Nasal Polyp. <i>Current Allergy and Asthma Reports</i> , 2021, 21, 1.	2.4	24
2111	3D matrixed DNA self-nanocatalyzer as electrochemical sensitizers for ultrasensitive investigation of DNA 5-methylcytosine. <i>Analytica Chimica Acta</i> , 2021, 1142, 127-134.	2.6	7
2112	Gaining a deeper understanding of social determinants of preterm birth by integrating multi-omics data. <i>Pediatric Research</i> , 2021, 89, 336-343.	1.1	9
2113	Fluorescent sensing of nucleus density assists in identifying tumor cells using an AIE luminogen. <i>Chemical Engineering Journal</i> , 2021, 410, 128183.	6.6	7
2114	5-Aza-2â€™-deoxycytidine may enhance the frequency of T regulatory cells from CD4 <sup>+</sup> naÃ“ve T cells isolated from the peripheral blood of patients with chronic HBV infection. <i>Expert Review of Clinical Immunology</i> , 2021, 17, 177-185.	1.3	5
2115	Epigenetics and viral infectious diseases. , 2021, , 353-369.		0
2116	Prenatal Hypoxia Induces Premature Aging Accompanied by Impaired Function of the Glutamatergic System in Rat Hippocampus. <i>Neurochemical Research</i> , 2021, 46, 550-563.	1.6	16

#	ARTICLE	IF	CITATIONS
2117	Updated review on green tea polyphenol epigallocatechin-3-gallate as a cancer epigenetic regulator. <i>Seminars in Cancer Biology</i> , 2022, 83, 335-352.	4.3	28
2118	Epigenetics in kidney diseases. <i>Advances in Clinical Chemistry</i> , 2021, 104, 233-297.	1.8	18
2119	Replacing thymine with a strongly pairing fifth Base: A combined quantum mechanics and molecular dynamics study. <i>Computational and Structural Biotechnology Journal</i> , 2021, 19, 1312-1324.	1.9	12
2120	Advances in medical epigenetics. , 2021, , 3-8.		1
2121	Polymeric Carriers for Transporting Nucleic Acids”Contributions to the Field. , 2021, , 133-150.		0
2122	Ã‰pigÃ©nÃ©tique de la spondyloarthritis. <i>Revue Du Rhumatisme (Edition Francaise)</i> , 2021, 88, 32-39.	0.0	0
2123	Population Genomics of High-Altitude Adaptation. <i>Evolutionary Studies</i> , 2021, , 67-100.	0.2	0
2124	Deciphering the Role of Epigenetic Reprogramming in Host-Pathogen Interactions. , 2021, , 41-62.		1
2125	DNA methylation differs extensively between strains of the same geographical origin and changes with age in <i>Daphnia magna</i> . <i>Epigenetics and Chromatin</i> , 2021, 14, 4.	1.8	18
2126	Epigenetic regulations in gastrointestinal: Implications on sensitivity to ionizing radiation, inflammatory diseases, and cancer development. , 2021, , 199-235.		0
2127	Nutrients and phytonutrients as promising epigenetic nutraceuticals. , 2021, , 741-816.		1
2128	Epigenetic change and different types of exercise. , 2021, , 103-126.		0
2129	Cardiovascular disorders and epigenetics. , 2021, , 197-211.		1
2130	CRISPR/Cas mediated epigenome editing for cancer therapy. <i>Seminars in Cancer Biology</i> , 2022, 83, 570-583.	4.3	20
2131	Translational epigenetics in neurodegenerative diseases. , 2021, , 297-313.		2
2132	Comprehensive analysis of regulation of DNA methyltransferase isoforms in human breast tumors. <i>Journal of Cancer Research and Clinical Oncology</i> , 2021, 147, 937-971.	1.2	19
2133	Novel label-free electrochemical strategy for sensitive determination of ten-eleven translocation protein 1. <i>Analytica Chimica Acta</i> , 2021, 1146, 140-145.	2.6	6
2134	Epigenetics: New Insights into Mammary Gland Biology. <i>Genes</i> , 2021, 12, 231.	1.0	21

#	ARTICLE	IF	CITATIONS
2135	Epigenetic regulation of adipogenesis by histone-modifying enzymes. <i>Epigenomics</i> , 2021, 13, 235-251.	1.0	17
2136	Breast and prostate glands affected by environmental substances (Review). <i>Oncology Reports</i> , 2021, 45, .	1.2	11
2137	Circulating tumour DNA methylation in hepatocellular carcinoma diagnosis using digital droplet PCR. <i>Journal of International Medical Research</i> , 2021, 49, 030006052199296.	0.4	4
2138	Revealing potential drug-disease-gene association patterns for precision medicine. <i>Scientometrics</i> , 2021, 126, 3723-3748.	1.6	4
2139	Epigenetic Lens to Visualize the Severe Acute Respiratory Syndrome Coronavirus-2 (SARS-CoV-2) Infection in COVID-19 Pandemic. <i>Frontiers in Genetics</i> , 2021, 12, 581726.	1.1	28
2140	Targeting Histone Modifications in Bone and Lung Metastatic Cancers. <i>Current Osteoporosis Reports</i> , 2021, 19, 230-246.	1.5	5
2141	Epigenetics and microRNAs in cardiovascular diseases. <i>Genomics</i> , 2021, 113, 540-551.	1.3	29
2142	Dissecting miRNA signature in colorectal cancer progression and metastasis. <i>Cancer Letters</i> , 2021, 501, 66-82.	3.2	42
2143	Sperm Global DNA Methylation (SGDM) in Semen of Healthy Dogs. <i>Veterinary Sciences</i> , 2021, 8, 50.	0.6	2
2144	Understanding the Associations of Prenatal Androgen Exposure on Sleep Physiology, Circadian Proteins, Anthropometric Parameters, Hormonal Factors, Quality of Life, and Sex Among Healthy Young Adults: Protocol for an International, Multicenter Study. <i>JMIR Research Protocols</i> , 2021, 10, e29199.	0.5	0
2145	Garcinolâ€™A Natural Histone Acetyltransferase Inhibitor and New Anti-Cancer Epigenetic Drug. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2828.	1.8	35
2146	The Emerging Role of Epigenetic Mechanisms in the Causation of Aberrant MMP Activity during Human Pathologies and the Use of Medicinal Drugs. <i>Biomolecules</i> , 2021, 11, 578.	1.8	11
2147	Update on drug transporter proteins in acute myeloid leukemia: Pathological implication and clinical setting. <i>Critical Reviews in Oncology/Hematology</i> , 2021, 160, 103281.	2.0	19
2148	Insight Into Chromatin-Enriched RNA: A Key Chromatin Regulator in Tumors. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 649605.	1.8	5
2149	Frontiers of MicroRNA Signature in Non-small Cell Lung Cancer. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 643942.	1.8	34
2150	The link among microbiota, epigenetics, and disease development. <i>Environmental Science and Pollution Research</i> , 2021, 28, 28926-28964.	2.7	19
2151	CpG content-dependent associations between transcription factors and histone modifications. <i>PLoS ONE</i> , 2021, 16, e0249985.	1.1	0
2152	Cyproheptadine, an epigenetic modifier, exhibits anti-tumor activity by reversing the epigenetic silencing of IRF6 in urothelial carcinoma. <i>Cancer Cell International</i> , 2021, 21, 226.	1.8	2

#	ARTICLE	IF	CITATIONS
2153	Epigenetic Modification of MicroRNA-219-1 and Its Association with Glioblastoma Multiforme. <i>Biochemistry (Moscow)</i> , 2021, 86, 420-432.	0.7	2
2155	Cedazuridine/decitabine: from preclinical to clinical development in myeloid malignancies. <i>Blood Advances</i> , 2021, 5, 2264-2271.	2.5	20
2156	Multi-omics integration strategies for animal epigenetic studies. <i>Animal Bioscience</i> , 2021, 34, 1271-1282.	0.8	15
2157	DNA methylation status of <i>SERPINA3</i> gene involved in mRNA expression in three cattle breeds. <i>Animal Biotechnology</i> , 2022, 33, 1289-1295.	0.7	3
2158	Identifying Methylation Patterns in Dental Pulp Aging: Application to Age-at-Death Estimation in Forensic Anthropology. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3717.	1.8	14
2159	DNA Methylation and HPV-Associated Head and Neck Cancer. <i>Microorganisms</i> , 2021, 9, 801.	1.6	17
2160	Butyrate: A Review on Beneficial Pharmacological and Therapeutic Effect. <i>Current Nutrition and Food Science</i> , 2021, 17, 470-482.	0.3	0
2161	Pharmacological targeting of TNS3 with histone deacetylase inhibitor as a therapeutic strategy in esophageal squamous cell carcinoma. <i>Aging</i> , 2021, 13, 15336-15352.	1.4	3
2163	Neuronal genes deregulated in Cornelia de Lange Syndrome respond to removal and re-expression of cohesin. <i>Nature Communications</i> , 2021, 12, 2919.	5.8	18
2164	Cell-surface SLC nucleoside transporters and purine levels modulate BRD4-dependent chromatin states. <i>Nature Metabolism</i> , 2021, 3, 651-664.	5.1	7
2165	Genetic and environmental factors on heart rate, mean arterial pressure and carotid intima-media thickness: A longitudinal twin study. <i>Cardiology Journal</i> , 2021, 28, 431-438.	0.5	3
2166	Effect of N7-methylation on base pairing patterns of guanine: a DFT study. <i>Journal of Molecular Modeling</i> , 2021, 27, 184.	0.8	0
2167	In Response to Abiotic Stress, DNA Methylation Confers EpiGenetic Changes in Plants. <i>Plants</i> , 2021, 10, 1096.	1.6	50
2168	The Role of Polymorphic Variants of Several Genes of Matrix Metalloproteinases and Their Tissue Inhibitors in the Development of Gastric Cancer. <i>Russian Journal of Genetics</i> , 2021, 57, 607-619.	0.2	0
2169	Turning tumors from cold to inflamed to improve immunotherapy response. <i>Cancer Treatment Reviews</i> , 2021, 101, 102227.	3.4	42
2170	Zebularine elevates STING expression and enhances cGAMP cancer immunotherapy in mice. <i>Molecular Therapy</i> , 2021, 29, 1758-1771.	3.7	26
2171	New Strategies for Clinical Trials in Autism Spectrum Disorder. <i>Reviews on Recent Clinical Trials</i> , 2021, 16, 131-137.	0.4	1



#	ARTICLE	IF	CITATIONS
2172	Potential regulatory role of epigenetic RNA methylation in cardiovascular diseases. <i>Biomedicine and Pharmacotherapy</i> , 2021, 137, 111376.	2.5	25
2173	Targeting the T-Cell Lymphoma Epigenome Induces Cell Death, Cancer Testes Antigens, Immune-Modulatory Signaling Pathways. <i>Molecular Cancer Therapeutics</i> , 2021, 20, 1422-1430.	1.9	6
2174	Literature review: enteric nervous system development, genetic and epigenetic regulation in the etiology of Hirschsprung's disease. <i>Heliyon</i> , 2021, 7, e07308.	1.4	7
2175	Acute <i>Brain-Derived Neurotrophic Factor</i> DNA Methylation Trajectories in Cerebrospinal Fluid and Associations With Outcomes Following Severe Traumatic Brain Injury in Adults. <i>Neurorehabilitation and Neural Repair</i> , 2021, 35, 790-800.	1.4	8
2176	Lactylation, a Novel Metabolic Reprogramming Code: Current Status and Prospects. <i>Frontiers in Immunology</i> , 2021, 12, 688910.	2.2	76
2177	Epigenetic effect of the mycotoxin fumonisin B1 on DNA methylation. <i>Mutagenesis</i> , 2021, 36, 295-301.	1.0	3
2178	Early life factors and their relevance for markers of cardiometabolic risk in early adulthood. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2021, 31, 2109-2121.	1.1	0
2179	The Diabetic Cardiomyopathy: The Contributing Pathophysiological Mechanisms. <i>Frontiers in Medicine</i> , 2021, 8, 695792.	1.2	56
2180	Analysis of Methylation Dynamics Reveals a Tissue-Specific, Age-Dependent Decline in 5-Methylcytosine Within the Genome of the Vertebrate Aging Model <i>Nothobranchius furzeri</i> . <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 627143.	1.6	7
2181	Silencing hepatitis B virus covalently closed circular DNA: The potential of an epigenetic therapy approach. <i>World Journal of Gastroenterology</i> , 2021, 27, 3182-3207.	1.4	7
2182	Epigenetic Editing in Prostate Cancer: Challenges and Opportunities. <i>Epigenetics</i> , 2022, 17, 564-588.	1.3	4
2183	Aorta-specific DNA methylation patterns in cell-free DNA from patients with bicuspid aortic valve-associated aortopathy. <i>Clinical Epigenetics</i> , 2021, 13, 147.	1.8	6
2184	The role of vitamin C in epigenetic cancer therapy. <i>Free Radical Biology and Medicine</i> , 2021, 170, 179-193.	1.3	23
2185	Epigenetic memories and the evolution of infectious diseases. <i>Nature Communications</i> , 2021, 12, 4273.	5.8	6
2186	Vorinostat ameliorates IL-1 $\alpha$ -induced reduction of type II collagen by inhibiting the expression of ELF3 in chondrocytes. <i>Journal of Biochemical and Molecular Toxicology</i> , 2021, 35, e22844.	1.4	4
2187	Exploring novel capping framework: high substituent pyridine-hydroxamic acid derivatives as potential antiproliferative agents. <i>DARU, Journal of Pharmaceutical Sciences</i> , 2021, 29, 291-310.	0.9	4
2188	Overview on the Role of E-Cadherin in Gastric Cancer: Dysregulation and Clinical Implications. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 689139.	1.6	21
2189	LncRNA MORT (ZNF667-AS1) in Cancer—Is There a Possible Role in Gynecological Malignancies?. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7829.	1.8	7

#	ARTICLE	IF	CITATIONS
2190	Epigenetic regulation of gene expression in response to environmental exposures: From bench to model. <i>Science of the Total Environment</i> , 2021, 776, 145998.	3.9	15
2191	Role of ascorbic acid in the regulation of epigenetic processes induced by <i>Porphyromonas gingivalis</i> in endothelial-committed oral stem cells. <i>Histochemistry and Cell Biology</i> , 2021, 156, 423-436.	0.8	5
2192	Significance of Circulating Cell-Free DNA Species in Non-Alcoholic Fatty Liver Disease. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8849.	1.8	6
2193	Epigenetic Modification Drives Acute Kidney Injury-to-Chronic Kidney Disease Progression. <i>Nephron</i> , 2021, 145, 737-747.	0.9	13
2194	Epigenetics in Male Infertility. , 0, , .		0
2195	Advanced therapeutic modalities in hepatocellular carcinoma: Novel insights. <i>Journal of Cellular and Molecular Medicine</i> , 2021, 25, 8602-8614.	1.6	15
2196	Paradigm shift in the pathogenesis and treatment of oral cancer and other cancers focused on the oralome and antimicrobialâ€based therapeutics. <i>Periodontology 2000</i> , 2021, 87, 76-93.	6.3	28
2197	Dihydroartemisinin induces cell apoptosis through repression of UHRF1 in prostate cancer cells. <i>Anti-Cancer Drugs</i> , 2021, Publish Ahead of Print, .	0.7	4
2198	Application of epigenetics in dermatological research and skin management. <i>Journal of Cosmetic Dermatology</i> , 2021, , .	0.8	0
2199	Simulated Wildfire Smoke Significantly Alters Sperm DNA Methylation Patterns in a Murine Model. <i>Toxics</i> , 2021, 9, 199.	1.6	11
2200	Drugâ€Resistant Epilepsy: drug target hypothesis and beyond the receptors. <i>Epilepsia Open</i> , 2021, , .	1.3	6
2201	Targeting Histone Modifications in Breast Cancer: A Precise Weapon on the Way. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 736935.	1.8	18
2202	Molecular Mechanisms Responsible for In Vitro Cytotoxic Attributes of <i>Conyza bonariensis</i> Extract against Lymphoblastic Leukaemia Jurkat Cells. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2021, 21, .	0.9	1
2203	Gestational blood levels of toxic metal and essential element mixtures and associations with global DNA methylation in pregnant women and their infants. <i>Science of the Total Environment</i> , 2021, 787, 147621.	3.9	13
2204	Promising Epigenetic Biomarkers Associated With Cancer-Associated-Fibroblasts for Progression of Kidney Renal Clear Cell Carcinoma. <i>Frontiers in Genetics</i> , 2021, 12, 736156.	1.1	8
2205	The potential roles of genetic factors in predicting ageing-related cognitive change and Alzheimerâ€™s disease. <i>Ageing Research Reviews</i> , 2021, 70, 101402.	5.0	9
2206	Computational modeling reveals key molecular properties and dynamic behavior of disruptor of telomeric silencing 1â€like ( <i>DOT1L</i> ) and partnering complexes involved in leukemogenesis. <i>Proteins: Structure, Function and Bioinformatics</i> , 2022, 90, 282-298.	1.5	3
2207	High Maternal Serum Estradiol in First Trimester of Multiple Pregnancy Contributes to Small for Gestational Age via DNMT1-Mediated CDKN1C Upregulation. <i>Reproductive Sciences</i> , 2022, 29, 1368-1378.	1.1	2

#	ARTICLE	IF	CITATIONS
2208	Dual BET/HDAC inhibition to relieve neuropathic pain: Recent advances, perspectives, and future opportunities. <i>Pharmacological Research</i> , 2021, 173, 105901.	3.1	13
2209	Molecular impacts of childhood abuse on the human brain. <i>Neurobiology of Stress</i> , 2021, 15, 100343.	1.9	12
2210	Epigenetics Modifications in Large-Artery Atherosclerosis: A Systematic Review. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2021, 30, 106033.	0.7	4
2211	What is epigenetics?. , 2022, , 79-100.		0
2212	Epigenetic programming of the immune responses in cancer. , 2022, , 197-235.		1
2213	The roles of histone deacetylases in kidney development and disease. <i>Clinical and Experimental Nephrology</i> , 2021, 25, 215-223.	0.7	14
2214	Differentially methylated regions (DMRs) in PON3 gene between responders and non-responders to a weight loss dietary intervention: a new tool for precision management of obesity. <i>Epigenetics</i> , 2022, 17, 81-92.	1.3	6
2215	Î±-Klotho gene and protein measurements in humans and their role as a clinical biomarker of disease. , 2021, , 265-298.		0
2216	Modulatory role of tea in arsenic induced epigenetic alterations in carcinogenesis. <i>Nucleus (India)</i> , 2021, 64, 143-156.	0.9	3
2218	Development and validation of a CpG island methylator phenotype-related prognostic signature for cholangiocarcinoma. <i>Journal of Cellular Physiology</i> , 2021, 236, 3143-3156.	2.0	3
2219	Epigenotypes of Latent Herpesvirus Genomes. , 2006, 310, 61-80.		82
2220	DNA Methylation Profiles of Female Steroid Hormone-Driven Human Malignancies. , 2006, 310, 141-178.		30
2221	Abnormalities of chromatin in tumor cells. , 2006, , 25-47.		16
2222	MicroRNA in Human Cancer: One Step Forward in Diagnosis and Treatment. , 2008, 622, 69-78.		9
2223	Intrathymic Selection: New Insight into Tumor Immunology. <i>Advances in Experimental Medicine and Biology</i> , 2007, 601, 133-144.	0.8	6
2224	Imprinted Genes and Human Disease: An Evolutionary Perspective. <i>Advances in Experimental Medicine and Biology</i> , 2008, , 101-115.	0.8	45
2225	Age-Related Genomic Hypomethylation. , 2010, , 11-27.		18
2226	Co-Regulation and Epigenetic Dysregulation in Schizophrenia and Bipolar Disorder. , 2012, , 281-347.		3

#	ARTICLE	IF	CITATIONS
2227	Combination Therapy for Cancer: Phototherapy and HDAC Inhibition. , 2014, , 445-470.		1
2228	Epigenetics of Colorectal Cancer. <i>Methods in Molecular Biology</i> , 2015, 1238, 405-424.	0.4	17
2229	Epigenetic Inhibitors. <i>Methods in Molecular Biology</i> , 2015, 1238, 469-485.	0.4	13
2230	Epigenetic Therapy for Colorectal Cancer. <i>Methods in Molecular Biology</i> , 2015, 1238, 771-782.	0.4	13
2231	Epigenetics: From Basic Biology to Chromatin-Modifying Drugs and New Potential Clinical Applications. <i>NeuroMethods</i> , 2016, , 3-18.	0.2	2
2232	miRNAs in Human Cancer. <i>Methods in Molecular Biology</i> , 2012, 822, 295-306.	0.4	56
2233	Current Epigenetic Therapy for T-Cell Lymphoma. , 2013, , 279-296.		2
2234	Epigenetic Control Using Small Molecules in Cancer. <i>Human Perspectives in Health Sciences and Technology</i> , 2020, , 111-148.	0.2	2
2235	Psychosocial Risk Factors in Women: Special Reference to Depression and Posttraumatic Stress Disorder. , 2015, , 63-86.		2
2236	High-Fat Diet and Maternal Obesity-Associated Epigenetic Regulation of Bone Development. , 2017, , 1-17.		1
2237	Butyrate, a Short-Chain Fatty Acid and Histone Deacetylases Inhibitor: Nutritional, Physiological, and Pharmacological Aspects in Diabetes. , 2017, , 1-15.		3
2238	Mitochondria of the Oocyte. , 2017, , 75-91.		3
2240	Biobanks – A Source of Large Biological Data Sets: Open Problems and Future Challenges. <i>Lecture Notes in Computer Science</i> , 2014, , 317-330.	1.0	20
2241	Germ Cell Tumors from a Developmental Perspective: Cells of Origin, Pathogenesis, and Molecular Biology (Emerging Patterns). , 2017, , 23-129.		14
2243	Reciprocal Interconnection of miRNome-Epigenome in Cancer Pathogenesis and Its Therapeutic Potential. , 2015, , 101-135.		3
2244	DNA Methylation and Carcinogenesis: Current and Future Perspectives. , 2019, , 153-171.		4
2245	Epigenetics in Health and Disease. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1253, 3-55.	0.8	317
2246	Epigenetics and Cancer. , 2008, , 57-65.		5

#	ARTICLE	IF	CITATIONS
2247	Anomalies Épigénétiques et de l'empreinte parentale dans les maladies du développement humain. Bulletin De L'Academie Nationale De Medecine, 2010, 194, 287-300.	0.0	2
2248	Safety Considerations for Epigenetic Mechanisms as Drug Targets: Are Existing Toxicology Studies Fit for Purpose?. RSC Drug Discovery Series, 2015, , 288-315.	0.2	2
2249	Smart Foods from the pastoral sector - implications for meat and milk producers. Australian Journal of Experimental Agriculture, 2008, 48, 726.	1.0	14
2250	Folate Malabsorption and its Influence on DNA Methylation During Cancer Development. DNA and Cell Biology, 2012, , 120402085903000.	0.9	3
2256	Can people be sentinels of sustainability? Identifying the linkages among ecosystem health and human well-being. Facets, 2017, 1, 148-162.	1.1	10
2257	PET neuroimaging reveals histone deacetylase dysregulation in schizophrenia. Journal of Clinical Investigation, 2018, 129, 364-372.	3.9	57
2258	The tobacco-specific carcinogen NNK induces DNA methyltransferase 1 accumulation and tumor suppressor gene hypermethylation in mice and lung cancer patients. Journal of Clinical Investigation, 2010, 120, 521-532.	3.9	180
2260	Nutrients and Epigenetics. , 0, , .		9
2262	Tailor-Made RNAs: From Self-Folding RNAs to Ribonucleoproteins. , 2014, , 251-262.		1
2263	Methylation Landscape of RUNX3 Promoter Region as a Predictive Marker for Th1/Th2 Imbalance in Bronchiolitis. Medical Science Monitor, 2019, 25, 7795-7807.	0.5	4
2264	Anacardic acid, a histone acetyltransferase inhibitor, modulates LPS-induced IL-8 expression in a human alveolar epithelial cell line A549. F1000Research, 2013, 2, 78.	0.8	8
2265	Methylation Status of Promoter Region of Tumor Necrosis Factor Alpha Gene in Subjects with Healthy Gingiva and Chronic Periodontitis - A Pilot Study.. Biomedical and Pharmacology Journal, 2019, 12, 639-647.	0.2	3
2266	Differential DNA Methylation of Gene Promoters in Small B-Cell Lymphomas. American Journal of Clinical Pathology, 2005, 124, 430-439.	0.4	14
2267	Epigenetics and Systems Physiology of Nutrition: An Overview. Advances in Diabetes and Metabolism, 2017, 5, 6-11.	0.1	2
2268	Active Listening for Spatial Orientation in a Complex Auditory Scene. PLoS Biology, 2006, 4, e79.	2.6	120
2269	Unlinking the methylome pattern from nucleotide sequence, revealed by large-scale in vivo genome engineering and methylome editing in medaka fish. PLoS Genetics, 2017, 13, e1007123.	1.5	4
2270	Quantitative Evaluation of DNA Methylation Patterns for ALVE and TVB Genes in a Neoplastic Disease Susceptible and Resistant Chicken Model. PLoS ONE, 2008, 3, e1731.	1.1	27
2271	Detection of Transgenerational Spermatogenic Inheritance of Adult Male Acquired CNS Gene Expression Characteristics Using a Drosophila Systems Model. PLoS ONE, 2009, 4, e5763.	1.1	26

#	ARTICLE	IF	CITATIONS
2272	Mechanistic Insights on the Inhibition of C5 DNA Methyltransferases by Zebularine. PLoS ONE, 2010, 5, e12388.	1.1	96
2273	Transcriptional Repressive H3K9 and H3K27 Methylations Contribute to DNMT1-Mediated DNA Methylation Recovery. PLoS ONE, 2011, 6, e16702.	1.1	24
2274	p16INK4a Suppression by Glucose Restriction Contributes to Human Cellular Lifespan Extension through SIRT1-Mediated Epigenetic and Genetic Mechanisms. PLoS ONE, 2011, 6, e17421.	1.1	75
2275	Cigarette Smoking and p16INK4a Gene Promoter Hypermethylation in Non-Small Cell Lung Carcinoma Patients: A Meta-Analysis. PLoS ONE, 2011, 6, e28882.	1.1	24
2276	HDAC Up-Regulation in Early Colon Field Carcinogenesis Is Involved in Cell Tumorigenicity through Regulation of Chromatin Structure. PLoS ONE, 2013, 8, e64600.	1.1	114
2277	Characterizing Genes with Distinct Methylation Patterns in the Context of Protein-Protein Interaction Network: Application to Human Brain Tissues. PLoS ONE, 2013, 8, e65871.	1.1	8
2278	Prolonged Treatment with DNMT Inhibitors Induces Distinct Effects in Promoters and Gene-Bodies. PLoS ONE, 2013, 8, e71099.	1.1	12
2279	Identification of Therapeutic Candidates for Chronic Lymphocytic Leukemia from a Library of Approved Drugs. PLoS ONE, 2013, 8, e75252.	1.1	20
2280	Increased Adiposity in Adults Born Preterm and Their Children. PLoS ONE, 2013, 8, e81840.	1.1	73
2281	Changes in the Expression of miR-381 and miR-495 Are Inversely Associated with the Expression of the MDR1 Gene and Development of Multi-Drug Resistance. PLoS ONE, 2013, 8, e82062.	1.1	79
2282	MicroRNA-10a Is Down-Regulated by DNA Methylation and Functions as a Tumor Suppressor in Gastric Cancer Cells. PLoS ONE, 2014, 9, e88057.	1.1	55
2283	5-Azacytidine Enhances the Radiosensitivity of CNE2 and SUNE1 Cells In Vitro and In Vivo Possibly by Altering DNA Methylation. PLoS ONE, 2014, 9, e93273.	1.1	30
2284	Long Noncoding RNA-EBIC Promotes Tumor Cell Invasion by Binding to EZH2 and Repressing E-Cadherin in Cervical Cancer. PLoS ONE, 2014, 9, e100340.	1.1	95
2285	Epididymal Region-Specific miRNA Expression and DNA Methylation and Their Roles in Controlling Gene Expression in Rats. PLoS ONE, 2015, 10, e0124450.	1.1	21
2286	Methylated Host Cell Gene Promoters and Human Papillomavirus Type 16 and 18 Predicting Cervical Lesions and Cancer. PLoS ONE, 2015, 10, e0129452.	1.1	22
2287	The Effect of Prenatal and Childhood Development on Hearing, Vision and Cognition in Adulthood. PLoS ONE, 2015, 10, e0136590.	1.1	16
2288	Identification of Epigenetic Biomarkers of Lung Adenocarcinoma through Multi-Omics Data Analysis. PLoS ONE, 2016, 11, e0152918.	1.1	16
2289	Differential Expression of Long Noncoding RNAs between Sperm Samples from Diabetic and Non-Diabetic Mice. PLoS ONE, 2016, 11, e0154028.	1.1	20

#	ARTICLE	IF	CITATIONS
2290	Inhibition of H3K9 methyltransferase G9a ameliorates methylglyoxal-induced peritoneal fibrosis. PLoS ONE, 2017, 12, e0173706.	1.1	17
2291	Comparative genome-wide methylation analysis of longissimus dorsi muscles between Japanese black (Wagyu) and Chinese Red Steppes cattle. PLoS ONE, 2017, 12, e0182492.	1.1	52
2292	Causal explanation beyond the gene: manipulation and causality in epigenetics. Theoria (Spain), 2012, 27, 153-174.	0.2	9
2293	Effect of Genistein in Comparison with Trichostatin A on Reactivation of DNMTs Genes in Hepatocellular Carcinoma. Journal of Clinical and Translational Hepatology, 2018, 6, 1-6.	0.7	36
2294	Epigenetic Biomarkers in Head and Neck Cancer. Journal of Cancer Genetics and Biomarkers, 2017, 1, 41-50.	0.0	4
2295	Identification and Epigenetic Analysis of a Maternally Imprinted Gene Qpct. Molecules and Cells, 2015, 38, 859-865.	1.0	6
2296	Epigenetic Changes in Neurodegenerative Diseases. Molecules and Cells, 2016, 39, 783-789.	1.0	28
2297	Developmental programming of the HPA axis and related behaviours: epigenetic mechanisms. Journal of Endocrinology, 2019, 242, T69-T79.	1.2	52
2298	AMPHIBIANS AS MODEL ORGANISMS FOR STUDY ENVIRONMENTAL GENOTOXICITY. Applied Ecology and Environmental Research, 2011, 9, 1-15.	0.2	44
2299	Epigenetic Changes Caused by Occupational Stress in Humans Revealed through Noninvasive Assessment of DNA Methylation of the Tyrosine Hydroxylase Gene. Journal of Neurology and Neurological Disorders, 2015, 2, .	0.0	4
2300	Genetic and epigenetic modifications in the pathogenesis of diabetic retinopathy: a molecular link to regulate gene expression. New Frontiers in Ophthalmology (London), 2016, 2, 192-204.	0.1	16
2301	Structural and Expression Changes of Septins in Myeloid Neoplasia. Critical Reviews in Oncogenesis, 2009, 15, 91-115.	0.2	5
2302	[Retracted Article] Methylation of the Wnt Signaling Antagonist, Wnt Inhibitory Factor 1 and Dickkopf-1 Genes in Acute Myeloid Leukemia at the Time of Diagnosis. Zahedan Journal of Researches in Medical Sciences, 2016, 18, .	0.1	4
2303	Molecular damage in cancer: an argument for mTOR-driven aging. Aging, 2011, 3, 1130-1141.	1.4	76
2304	Longitudinal study of surrogate aging measures during human immunodeficiency virus seroconversion. Aging, 2017, 9, 687-705.	1.4	31
2305	Epigenetically silenced GNG4 inhibits SDF1 $\beta$ /CXCR4 signaling in mesenchymal glioblastoma. Genes and Cancer, 2016, 7, 136-147.	0.6	37
2306	MIEN1 is tightly regulated by SINE Alu methylation in its promoter. Oncotarget, 2016, 7, 65307-65319.	0.8	13
2307	Ocular Behcet's disease is associated with aberrant methylation of interferon regulatory factor 8 (IRF8) in monocyte-derived dendritic cells. Oncotarget, 2017, 8, 51277-51287.	0.8	9



#	ARTICLE	IF	CITATIONS
2308	Demethylation of the MIR145 promoter suppresses migration and invasion in breast cancer. <i>Oncotarget</i> , 2017, 8, 61731-61741.	0.8	21
2309	Aberrant DNA methylation of GATA binding protein 3 (GATA3), interleukin-4 (IL-4), and transforming growth factor- $\beta^2$ (TGF- $\beta^2$ ) promoters in Behcet's disease. <i>Oncotarget</i> , 2017, 8, 64263-64272.	0.8	14
2310	Accurate quantification of 5-Methylcytosine, 5-Hydroxymethylcytosine, 5-Formylcytosine, and 5-Carboxylcytosine in genomic DNA from breast cancer by chemical derivatization coupled with ultra performance liquid chromatography- electrospray quadrupole time of flight mass spectrometry analysis. <i>Oncotarget</i> , 2017, 8, 91248-91257.	0.8	23
2311	Methylated <i>claudin-11</i> associated with metastasis and poor survival of colorectal cancer. <i>Oncotarget</i> , 2017, 8, 96249-96262.	0.8	19
2312	A subgroup of pancreatic adenocarcinoma is sensitive to the 5-aza-dC DNA methyltransferase inhibitor. <i>Oncotarget</i> , 2015, 6, 746-754.	0.8	21
2313	Towards understanding the breast cancer epigenome: a comparison of genome-wide DNA methylation and gene expression data. <i>Oncotarget</i> , 2016, 7, 3002-3017.	0.8	19
2314	MicroRNA-410 acts as oncogene in NSCLC through downregulating SLC34A2 <i>via</i> activating Wnt/ $\beta^2$ -catenin pathway. <i>Oncotarget</i> , 2016, 7, 14569-14585.	0.8	41
2315	Addressing the elephant in the room, therapeutic resistance in non-small cell lung cancer, with epigenetic therapies. <i>Oncotarget</i> , 2016, 7, 40781-40791.	0.8	10
2316	Nuclear DNA Methylation and Chromatin Condensation Phenotypes Are Distinct Between Normally Proliferating/Aging, Rapidly Growing/Immortal, and Senescent Cells. <i>Oncotarget</i> , 2013, 4, 474-493.	0.8	22
2317	PRAME expression and promoter hypomethylation in epithelial ovarian cancer. <i>Oncotarget</i> , 2016, 7, 45352-45369.	0.8	72
2318	Epigenetic regulation in chondrogenesis. <i>Acta Medica Okayama</i> , 2010, 64, 155-61.	0.1	27
2319	Epigenetic Mechanism Involved in the HBV/HCV-Related Hepatocellular Carcinoma Tumorigenesis. <i>Current Pharmaceutical Design</i> , 2014, 20, 1715-1725.	0.9	63
2320	Deciphering the Novel Target Genes Involved in the Epigenetics of Hepatocellular Carcinoma Using Graph Theory Approach. <i>Current Genomics</i> , 2020, 20, 545-555.	0.7	3
2321	An Overview of Naturally Occurring Histone Deacetylase Inhibitors. <i>Current Topics in Medicinal Chemistry</i> , 2015, 14, 2759-2782.	1.0	23
2322	Zinc-dependent Deacetylase (HDAC) Inhibitors with Different Zinc Binding Groups. <i>Current Topics in Medicinal Chemistry</i> , 2019, 19, 223-241.	1.0	50
2323	Recent Study of Dual HDAC/PARP Inhibitor for the Treatment of Tumor. <i>Current Topics in Medicinal Chemistry</i> , 2019, 19, 1041-1050.	1.0	8
2324	Contextualizing Genetics for Regional Heart Failure Care. <i>Current Cardiology Reviews</i> , 2016, 12, 231-242.	0.6	8
2325	The Importance of Precision Medicine in Type 2 Diabetes Mellitus (T2DM): From Pharmacogenetic and Pharmacoepigenetic Aspects. <i>Endocrine, Metabolic and Immune Disorders - Drug Targets</i> , 2019, 19, 719-731.	0.6	10

#	ARTICLE	IF	CITATIONS
2326	Aberrant Epigenetic Modifications in Male Infertility. <i>The Open Reproductive Science Journal</i> , 2011, 3, 57-64.	0.5	2
2327	Dysfunction of Mitochondrial ATP Production As a Target for Personalized Cancer Therapy. <i>Current Pharmacogenomics and Personalized Medicine</i> , 2009, 7, 27-39.	0.2	2
2328	A Review on Epigenetic Effect of Heavy Metal Carcinogens on Human Health. <i>The Open Nutraceuticals Journal</i> , 2010, 3, 188-193.	0.2	20
2329	Strong KDM4B and KDM4D Expression Associates with Radioresistance and Aggressive Phenotype in Classical Hodgkin Lymphoma. <i>Anticancer Research</i> , 2016, 36, 4677-4684.	0.5	14
2330	KDM4D Predicts Recurrence in Exocrine Pancreatic Cells of Resection Margins from Patients with Pancreatic Adenocarcinoma. <i>Anticancer Research</i> , 2018, 38, 2295-2302.	0.5	8
2331	Role of Epigenetics in Biology and Human Diseases. <i>Iranian Biomedical Journal</i> , 2016, 20, 246-58.	0.4	116
2332	Effect of Curcumin in Comparison with Trichostatin A on the Reactivation of Estrogen Receptor Alpha gene Expression, Cell Growth Inhibition and Apoptosis Induction in Hepatocellular Carcinoma Hepa I-6 Cell Line. <i>Asian Pacific Journal of Cancer Prevention</i> , 2020, 21, 1045-1050.	0.5	14
2333	The interaction of genetic and environmental factors in the etiology of hypertension. <i>Physiological Research</i> , 2009, 58 Suppl 2, S33-S42.	0.4	108
2334	Profile of Histone H3 Lysine 4 Trimethylation and the Effect of Lipopolysaccharide/Immune Complex-Activated Macrophages on Endotoxemia. <i>Frontiers in Immunology</i> , 2019, 10, 2956.	2.2	13
2335	EPIGENETIC TOXICOLOGY: PERSPECTIVES OF THE DEVELOPMENT. <i>Toxicological Review</i> , 2018, , 2-7.	0.2	3
2337	Single nucleotide polymorphism in DNA methyltransferase 3B promoter and its association with gastric cardiac adenocarcinoma in North China. <i>World Journal of Gastroenterology</i> , 2005, 11, 3623.	1.4	27
2338	Silencing SMYD3 in hepatoma demethylates RIZ1 promoter induces apoptosis and inhibits cell proliferation and migration. <i>World Journal of Gastroenterology</i> , 2007, 13, 5718.	1.4	41
2339	Promoter hypermethylation and loss of CD133 gene expression in colorectal cancers. <i>World Journal of Gastroenterology</i> , 2010, 16, 3153.	1.4	27
2340	Epigenetic regulation in alcoholic liver disease. <i>World Journal of Gastroenterology</i> , 2011, 17, 2456.	1.4	78
2341	Plasma DNA methylation of Wnt antagonists predicts recurrence of esophageal squamous cell carcinoma. <i>World Journal of Gastroenterology</i> , 2011, 17, 4917.	1.4	44
2342	MicroRNAs in pancreatic ductal adenocarcinoma. <i>World Journal of Gastroenterology</i> , 2011, 17, 817.	1.4	41
2343	Anti-tumor effect of 5-aza-2'-deoxycytidine by inhibiting telomerase activity in hepatocellular carcinoma cells. <i>World Journal of Gastroenterology</i> , 2012, 18, 2334.	1.4	29
2344	Chemokines, chemokine receptors and the gastrointestinal system. <i>World Journal of Gastroenterology</i> , 2013, 19, 2847-2863.	1.4	19

#	ARTICLE	IF	CITATIONS
2345	Current trends in the development and application of molecular technologies for cancer epigenetics. <i>World Journal of Gastroenterology</i> , 2013, 19, 1030.	1.4	9
2346	DNA and histone methylation in gastric carcinogenesis. <i>World Journal of Gastroenterology</i> , 2013, 19, 1182.	1.4	98
2347	Epigenetic targets for therapeutic approaches in COPD and asthma. <i>Nutrigenomics &amp; possible or illusive. Folia Medica</i> , 2019, 61, 358-369.	0.2	4
2348	Biomedical diagnosis perspective of epigenetic detections using alpha-hemolysin nanopore. <i>AIMS Materials Science</i> , 2015, 2, 448-472.	0.7	11
2349	The epigenetic paradigm in periodontitis pathogenesis. <i>Journal of Indian Society of Periodontology</i> , 2015, 19, 142.	0.3	20
2350	The Overexpression of Histone Deacetylase 1 and Its Relationship with p16INK4a Gene Hypermethylation in Pulmonary Squamous Cell Carcinoma and Adenocarcinoma. <i>Korean Journal of Pathology</i> , 2009, 43, 107.	1.2	5
2351	Epigenetic Food: A New Approach for Cancer Prevention and Therapy. <i>Journal of Nutrition &amp; Food Sciences</i> , 2012, 02, .	1.0	1
2352	The Potential Role of Epigenetics in Alzheimer's Disease Etiology. <i>Biological Systems, Open Access</i> , 2012, 02, .	0.1	3
2353	Retinoblastoma as an Epigenetic Disease: A Proposal. <i>Journal of Cancer Therapy</i> , 2011, 02, 362-371.	0.1	4
2354	Genetically Targeted Fractionated Chemotherapy. <i>Journal of Cancer Therapy</i> , 2015, 06, 182-198.	0.1	4
2355	Role of histone deacetylases in pancreas: Implications for pathogenesis and therapy. <i>World Journal of Gastrointestinal Oncology</i> , 2015, 7, 473.	0.8	25
2356	CpG island methylator phenotype in adenocarcinomas from the digestive tract: Methods, conclusions, and controversies. <i>World Journal of Gastrointestinal Oncology</i> , 2017, 9, 105.	0.8	9
2357	Vascular dysfunction in children conceived by assisted reproductive technologies: underlying mechanisms and future implications. <i>Swiss Medical Weekly</i> , 2014, 144, w13973.	0.8	30
2358	Consistent DNA Hypermethylation Patterns in Laryngeal Papillomas. <i>International Journal of Head and Neck Surgery</i> , 2010, 1, 69-77.	0.1	15
2359	Epigenetic Changes (Aberrant DNA Methylation) in Colorectal Neoplasia. <i>Gut and Liver</i> , 2007, 1, 001-011.	1.4	38
2360	Knockdown of SMYD3 by RNA interference inhibits cervical carcinoma cell growth and invasion in vitro. <i>BMB Reports</i> , 2008, 41, 294-299.	1.1	54
2361	Heritability of Face Recognition. , 0, , .		3
2362	Cytotoxic Endonucleases: New Targets for Prostate Cancer Chemotherapy. , 0, , .		1

#	ARTICLE	IF	CITATIONS
2363	Periodontal Disease and Gingival Innate Immunity – Who Has the Upper Hand?. , 0, , .		1
2364	Specific gene hypomethylation and cancer: New insights into coding region feature trends. <i>Bioinformatics</i> , 2009, 3, 340-343.	0.2	51
2365	Molecular Mechanism of SAHA on Regulation of Autophagic Cell Death in Tamoxifen-Resistant MCF-7 Breast Cancer Cells. <i>International Journal of Medical Sciences</i> , 2012, 9, 881-893.	1.1	105
2366	Histone Deacetylase Inhibitor Trichostatin A Enhances Antitumor Effects of Docetaxel or Erlotinib in A549 Cell Line. <i>Asian Pacific Journal of Cancer Prevention</i> , 2012, 13, 3471-3476.	0.5	34
2367	DNA methylation presents distinct binding sites for human transcription factors. <i>ELife</i> , 2013, 2, e00726.	2.8	292
2368	Cancer systems immunology. <i>ELife</i> , 2020, 9, .	2.8	14
2369	Genetic and environmental determinants of variation in the plasma lipidome of older Australian twins. <i>ELife</i> , 2020, 9, .	2.8	8
2370	Alcohol promoted <i>N</i> -methylation of anilines with CO <sub>2</sub> /H <sub>2</sub> over a cobalt catalyst under mild conditions. <i>Green Chemistry</i> , 2021, 23, 9147-9153.	4.6	7
2371	Prenatal dexamethasone exposure programs the decreased testosterone synthesis in offspring rats by low level of endogenous glucocorticoids. <i>Acta Pharmacologica Sinica</i> , 2022, 43, 1461-1472.	2.8	8
2372	Inflammatory, oxidative and DNA damage status in vegetarians: is the future of human diet green?. <i>Critical Reviews in Food Science and Nutrition</i> , 2023, 63, 3189-3221.	5.4	7
2373	The Methylation Status in the Chromosome 11p15.5 Region and Metabolic Disorders in Children with Syndromic and Nonsyndromic Intrauterine Growth Restriction. <i>Molecular Syndromology</i> , 2022, 13, 108-116.	0.3	1
2374	Critical appraisal of epigenetic regulation of galectins in cancer. <i>International Journal of Clinical Oncology</i> , 2022, 27, 35-44.	1.0	3
2375	Sodium Butyrate Pre-Treatment Enhance Differentiation of Bone Marrow Mesenchymal Stem Cells (BM-MSCs) into Hepatocytes and Improve Liver Injury. <i>Current Molecular Medicine</i> , 2022, 22, 663-674.	0.6	3
2376	Epigenetics and DOHaD: how translation to predictive testing will require a better public understanding. <i>Journal of Developmental Origins of Health and Disease</i> , 2022, 13, 424-430.	0.7	4
2377	Insulin Resistance and Cancer: In Search for a Causal Link. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11137.	1.8	46
2378	Impact of chromosomal organization on epigenetic drift and domain stability revealed by physics-based simulations. <i>Biophysical Journal</i> , 2021, 120, 4932-4943.	0.2	7
2379	The next generation of DNMT inhibitors. <i>Nature Cancer</i> , 2021, 2, 1000-1001.	5.7	11
2380	Epigenetic modulation and apoptotic induction by a novel imidazo-benzamide derivative in human lung adenocarcinoma cells. <i>DARU, Journal of Pharmaceutical Sciences</i> , 2021, 29, 377-387.	0.9	2

#	ARTICLE	IF	CITATIONS
2381	EHMT2/G9a as an Epigenetic Target in Pediatric and Adult Brain Tumors. International Journal of Molecular Sciences, 2021, 22, 11292.	1.8	8
2382	Immune correlates of NF- $\kappa$ B and TNF $\alpha$ promoter DNA methylation in Japanese flounder (Paralichthys Tj ETQq1 1 0.784314 rgBT /Ovele Shellfish Immunology, 2021, 119, 578-586.	1.6	6
2383	The role of MOZ/KAT6A in hematological malignancies and advances in MOZ/KAT6A inhibitors. Pharmacological Research, 2021, 174, 105930.	3.1	9
2385	DCIS: Pathology and Molecular Markers. , 2006, , 97-123.		0
2386	Transcriptional and Epigenetic Regulation. , 2006, , 1-30.		0
2388	Epigenetic regulation by DNA methylation during mammalian embryogenesis.. Seibutsu Butsuri Kagaku, 2007, 51, 215-217.	0.1	0
2389	Nucleoprotein-Based Nanodevices in Drug Design and Delivery. , 2007, , .		0
2390	Chapter 14. Influence of DNA Methylation and Genomic Imprinting in the Male Germ Line on Pregnancy Outcome. Issues in Toxicology, 2007, , 165-175.	0.2	0
2391	Vitamin-Dependent Modifications of Chromatin. , 2007, , .		1
2392	Epigenomics and Cancer. , 2008, , 281-291.		0
2393	Conceptual Evolution in Cancer Biology. , 2008, , 185-208.		0
2394	Pancreatic Cancer Genomics, Epigenomics, and Proteomics. , 2008, , 229-252.		0
2395	Histone Deacetylase Inhibitors and Anticancer Activity. , 2008, , 115-131.		1
2396	Reelin and Pancreatic Cancer. , 2008, , 421-430.		0
2398	Future Directions in Epigenetic Cancer Research. , 2008, , 429-436.		0
2399	Polycomb Group Proteins in Tumorigenesis. , 2008, , 281-301.		0
2400	DNA (cytosine-5)-methyltransferase 3B - [Isoform 1]. Targeted Protein Database, 0, , .	0.0	0
2401	The genetics of conception. Reproductive Medicine and Assisted Reproductive Techniques Series, 2008, , 1-12.	0.1	0

#	ARTICLE	IF	CITATIONS
2403	Hydralazine + Magnesium Valproate as Epigenetic Treatment for Myelodysplastic Syndrome (MDS). Preliminary Results of a Phase II Trial.. Blood, 2009, 114, 1767-1767.	0.6	0
2404	Cancer Biology and Nutrigenomics. , 2010, , 25-43.		0
2405	Dietary Effect on Epigenetics During the Aging Process. , 2010, , 407-416.		2
2406	Epigenetic Changes in Cancer: Role of Environment. , 2010, , 153-196.		2
2407	Systems Approach to Understanding Oral Diseases. , 2010, , 29-45.		0
2408	Folate and DNA Methylation. , 2010, , 31-75.		0
2409	The Use of Small Noncoding RNAs to Silence Transcription in Human Cells. Neuromethods, 2011, , 39-57.	0.2	0
2410	Epigenetics and Nutrition: B-Vitamin Deprivation and its Impact on Brain Amyloid. , 2011, , 2271-2283.		0
2411	Epigenetic Gene Silencing. , 2011, , 1284-1286.		0
2412	Epigenetic Therapy. , 2011, , 1287-1290.		0
2414	What Anthropologists Should Know About the New Evolutionary Synthesis. Structure and Dynamics: EJournal of the Anthropological and Related Sciences, 2011, 5, .	0.1	1
2415	A Tale of Two Epiphenomena: The Complex Interplay of Epigenetics and Epilepsy. , 0, , .		0
2419	Epigenetic Targeting and Histone Deacetylase Inhibition in RCC. , 2012, , 193-211.		0
2420	Epigenetics of Nasopharyngeal Carcinoma. , 0, , .		0
2421	Applications in Cancer Diagnosis and Therapy. Chinese Journal of Analytical Chemistry, 2012, 39, 1451-1458.	0.9	0
2422	Epigenetic Therapies in Neurological Diseases. Epigenetics and Human Health, 2013, , 167-193.	0.2	0
2423	The Sperm Epigenome. , 2013, , 89-104.		0
2424	Neuroscience and the Genomic Revolution: An Overview. , 2013, , 1018-1027.		0

#	ARTICLE	IF	CITATIONS
2425	A Review of Genetic and Epigenetic Mechanisms in Heavy Metal Carcinogenesis: Nickel and Cadmium. International Journal of Scientific Research in Environmental Sciences, 2013, 1, 202-216.	0.1	1
2426	Physiology of Gametogenesis. , 2014, , 1-38.		0
2427	MicroRNAs in Solid Tumors. , 2014, , 45-65.		0
2428	Epigenetics: An Innovative Approach for Biotechnology and Food Science. International Journal of Bioscience, Biochemistry, Bioinformatics (IJBBB), 2014, 4, 195-199.	0.2	1
2429	Genetics and epigenetics in human cancer. Cancer Genetics and Epigenetics, 0, , .	0.0	0
2433	DNA Methylation: An Epigenetic mechanism in oral squamous cell carcinoma. South Asian Journal of Experimental Biology, 2014, 4, 33-41.	0.1	1
2434	CELLULAR GENOME IN PATHOGENESIS OF BASIC DISEASES IN HUMANS (ATHEROSCLEROSIS, AUTOIMMUNE) Tj ETQq0 0 0 rgBT /Overl	0.1	0
2435	Drugs Affecting Epigenetic Modifications of ABC Transporters for Drug Resistance. Resistance To Targeted Anti-cancer Therapeutics, 2015, , 273-297.	0.1	0
2436	Specific Type Epigenetic Changes in Cervical Cancers. Methods in Molecular Biology, 2015, 1238, 733-749.	0.4	5
2437	Premalignant Lesions. , 2015, , 273-292.		0
2438	The Role of Histone Deacetylases in Glucose Metabolism: a Mini- Review. International Journal of Endocrinology and Metabolic Disorders, 2015, 1, .	0.2	0
2439	Epigenetic Therapy. , 2015, , 1-5.		0
2440	Genetic markers and evolution of targeted therapy in cancer. Biomedical Research Journal, 2015, 2, 179.	0.4	0
2441	CHAPTER 10. Fragment-Based Approaches to Epigenetic Targets. RSC Drug Discovery Series, 2015, , 238-258.	0.2	0
2442	Epigenetic Gene Silencing. , 2015, , 1578-1580.		0
2443	Epigenetic Drug Discovery. NATO Science for Peace and Security Series A: Chemistry and Biology, 2015, , 27-40.	0.5	0
2444	Epigenetic Changes in Hormonal Related Disease: Uterine Leiomyoma (Fibroids). Molecular and Integrative Toxicology, 2015, , 37-54.	0.5	0
2446	Genetic Disorders. , 2015, , 1-12.		0



#	ARTICLE	IF	CITATIONS
2447	The Screening of Epigenetic Regulatory Elements of IGF2BP2 and Impact on the Survival of Colonal Cancer. <i>Cancer Genetics and Epigenetics</i> , 0, , .	0.0	0
2448	Epigenetic Therapy. , 2015, , 1581-1585.		0
2449	Dosing “ When Less is More. <i>RSC Drug Discovery Series</i> , 2015, , 249-266.	0.2	0
2450	Features of Colon Cancer with Liver Metastasis: A Case Report and Literature Review. <i>Clinical Medical Reviews and Case Reports</i> , 2015, 2, .	0.1	0
2451	The Inhibition of the Mammalian DNA Methyltransferase 3a (Dnmt3a) by Dietary Black Tea and Coffee Polyphenols. , 2015, , 213-231.		0
2452	The role of glia and astrocytes in brain functioning. , 2015, , 76-83.		0
2454	Therapeutic Epigenetics- A Boon to the Future. <i>Annals of SBV</i> , 2016, 5, 27-30.	0.0	0
2455	Endocrine Myopathy and Orbitopathy. , 2016, , 561-569.		0
2456	Die soziologische Perspektive auf Gesundheit und Krankheit. , 2016, , 1-19.		4
2457	Complementary Issues of a Relational View of Biological Determination. <i>History, Philosophy and Theory of the Life Sciences</i> , 2016, , 129-145.	0.4	0
2462	Small Molecule Inhibitors. , 2017, , 771-795.		2
2463	Epigenetics in Hyperphagia. , 2017, , 1-19.		0
2464	Differential Therapy Based on Tumor Heterogeneity in Pancreatic Cancer. , 2017, , 1-15.		0
2465	Addressing Cardiovascular Disease Risk in HungarianAmerican Populations: A Cultural Exploration of Transdisciplinary Health Promotion. <i>Central European Journal of Sport Sciences and Medicine</i> , 2017, 19, 31-41.	0.1	0
2466	Gene als Bioarchive sozialer Positionierungen? Gendertheoretische Betrachtungen neuer biologischer Embodiment-Theorien. , 2017, , 65-86.		0
2467	Nucleoprotein-Based Nanodevices in Drug Design and Delivery. , 2017, , 61-78.		0
2468	Epigenetics, Nutrition, and Infant Health. , 2017, , 335-354.		0
2469	Toxicopigenetics and Effects on Life Course Disease Susceptibility. , 0, , 439-472.		0

#	ARTICLE	IF	CITATIONS
2470	Curcumin: A Review of its Potential Role in Epigenetic Mechanism. , 2017, 1, 191-195.		1
2471	Estado actual de las aplicaciones del ADN libre de c�lula circulante. Medicina Y Laboratorio, 2017, 23, 551-564.	0.0	0
2472	Sub-acute exposure effect of selected polycyclic aromatic hydrocarbons on protein levels of epigenetic modifiers in non-cancerous hepatic model. Biomedical Research (Aligarh, India), 2018, 29, .	0.1	0
2473	Dynamic Data Driven Application Systems for Identification of Biomarkers in DNA Methylation. , 2018, , 233-252.		2
2474	SOX17 and RASSAF1A Promoters Methylation in Circulation Tumor Cell and Cell Free Deoxyribonucleic Acid Isolated from Plasma in Breast Cancer. Indian Journal of Medical Biochemistry, 2018, 22, 108-113.	0.1	0
2475	Epigenetic Signature in Breast Carcinoma, a Hidden Language to Dictate Against Genomic Insults. Advances in Medical Diagnosis, Treatment, and Care, 2018, , 28-55.	0.1	0
2477	THE ROLE OF DNA-METHYLTRANSFERASES IN THE LIFE CYCLE OF HEPATITIS B VIRUS AND PATHOGENESIS OF CHRONIC HEPATITIS B. Voprosy Virusologii, 2018, 63, 19-29.	0.1	2
2479	Meme Kanserinde Epigenetik Tedavi. Arsiv Kaynak Tarama Dergisi, 2018, 27, 346-362.	0.1	0
2481	Techniques/Tools to Study Epigenetic Biomarkers in Human Cancer Detection. , 2019, , 327-351.		0
2485	Surgery, Perioperative Treatment and Prognostic Factors Based on Genetic and Epigenetic Alterations in Colorectal Cancer. Juntendo Medical Journal, 2019, 65, 194-202.	0.1	0
2486	Inflammatory Bowel Disease and Epigenetics. , 2019, , 183-201.		1
2487	Promoter Methylation Alters the UC Risk by Regulating RAGE Expression. Advances in Clinical Medicine, 2019, 09, 88-95.	0.0	0
2488	Establishment, Erasure and Synthetic Reprogramming of DNA Methylation in Mammalian Cells. RNA Technologies, 2019, , 1-26.	0.2	1
2490	Bacterial DNA Adenine Methyltransferase as a Novel Drug Target for Antibiotics: Current Status and Future Drug Discovery Challenges. International Journal of Current Microbiology and Applied Sciences, 2019, 8, 2494-2504.	0.0	2
2491	Innate talent is adaptable â comment on Baker & Wattie. Current Issues in Sport Science, 0, , .	0.1	0
2492	Epigenetic understanding of pain mechanisms and modern treatment perspectives. B�l, 2019, 20, 45-53.	0.1	0
2493	Comprehensive and integrative analysis identifies COX7A1 as a critical methylation-driven gene in breast invasive carcinoma. Annals of Translational Medicine, 2019, 7, 682-682.	0.7	4
2494	Paradigms in Cancer Drug Development: A Universe with Many Galaxies. , 2020, , 17-44.		0

#	ARTICLE	IF	CITATIONS
2495	Over-expression of HDAC8 down-regulate CDKN2A is associated with worse prognosis of esophageal squamous cell carcinoma. <i>Translational Cancer Research</i> , 2020, 9, 1406-1417.	0.4	0
2498	High-Throughput-Methyl-Reading (HTMR) assay: a solution based on nucleotide methyl-binding proteins enables large-scale screening for DNA/RNA methyltransferases and demethylases. <i>Nucleic Acids Research</i> , 2022, 50, e9-e9.	6.5	12
2499	Insights Into the Role of DNA Methylation in Immune Cell Development and Autoimmune Disease. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 757318.	1.8	22
2500	Differences in iron intake during pregnancy influence in trainability response of male rat offspring. <i>Einstein (Sao Paulo, Brazil)</i> , 2020, 18, eAO5665.	0.3	1
2501	Study of the expression of genes associated with post-translational changes in histones in the internal thoracic artery and the saphenous vein grafts used in coronary artery bypass grafting procedure. <i>Medical Journal of Cell Biology (discontinued)</i> , 2020, 8, 183-189.	0.2	1
2504	Low-temperature plasma promotes growth of <i>Haematococcus pluvialis</i> and accumulation of astaxanthin by regulating histone H3 lysine 4 tri-methylation. <i>Bioresource Technology</i> , 2022, 343, 126095.	4.8	11
2505	Affektive Störungen am Beispiel der unipolaren Depression. , 2020, , 297-325.		0
2506	Epigenetics and Male Infertility. , 2020, , 139-146.		2
2507	Involvement of Epigenetic Control and Non-coding RNAs in Cardiovascular System. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1229, 121-132.	0.8	0
2508	Genetic Disorders. , 2020, , 1-15.		0
2510	Expression Analysis and Mutational Status of Histone Methyltransferase KMT2D at Different Upper Tract Urothelial Carcinoma Locations. <i>Journal of Personalized Medicine</i> , 2021, 11, 1147.	1.1	1
2511	Identification of Methylation Immune Subtypes and Establishment of a Prognostic Signature for Gliomas Using Immune-Related Genes. <i>Frontiers in Immunology</i> , 2021, 12, 737650.	2.2	4
2512	Role of Flavonoids as Epigenetic Modulators in Cancer Prevention and Therapy. <i>Frontiers in Genetics</i> , 2021, 12, 758733.	1.1	18
2513	Mechanisms of immune response to inorganic nanoparticles and their degradation products. <i>Advanced Drug Delivery Reviews</i> , 2022, 180, 114022.	6.6	33
2514	Reductive N-methylation of alkanolamines with paraformaldehyde in the presence of cobalt catalysts. <i>Inorganic Chemistry Communication</i> , 2021, 134, 108943.	1.8	1
2515	Critical Experiments to Determine if Early Nutritional Influences on Epigenetic Mechanisms Cause Metabolic Imprinting in Humans. , 2006, , 79-86.		0
2516	PACE4 Gene Expression in Human Ovarian Cancer. , 2006, , 47-65.		0
2518	Integrated Molecular Analyses of Biological Samples on a Bead-Based Microarray Platform. , 2007, , 10-24.		0

#	ARTICLE	IF	CITATIONS
2519	Molecular Targets in Gastric Cancer and Apoptosis. , 2009, , 157-192.		2
2520	Medulloblastoma, Primitive Neuroectodermal Tumors, and Pineal Tumors. , 2008, , 343-430.		1
2521	Targeted Therapy in Acute Myelogenous Leukemia. , 2008, , 21-42.		0
2522	Histone Deacetylase Inhibitors in APL and Beyond. , 2007, 313, 157-203.		6
2523	The Role of OMICS (Genomics, Epigenetics, Transcriptomics, Proteomics and Metabolomics) in Personalized Anesthesia and Perioperative Medicine. , 2021, , 9-63.		0
2524	Signature based on molecular subtypes of deoxyribonucleic acid methylation predicts overall survival in gastric cancer. <i>World Journal of Gastroenterology</i> , 2020, 26, 6414-6430.	1.4	3
2525	Stress and cancer. <i>Annales Academiae Medicae Silesiensis</i> , 2020, 74, 166-180.	0.1	0
2528	Towards understanding the epigenetics of transcription by chromatin structure and the nuclear matrix. <i>Gene Therapy and Molecular Biology</i> , 2005, 9, 229-246.	1.3	9
2529	The ghost in our genes: legal and ethical implications of epigenetics. <i>Health Matrix</i> , 2009, 19, 1-62.	1.5	56
2530	MicroRNA in Melanoma. <i>Ochsner Journal</i> , 2010, 10, 83-92.	0.5	40
2532	Frequency of the Methylene tetrahydrofolate REDUCTASE 677CT and 1298AC mutations in an Iranian Turkish female population. <i>MĂĭ dica</i> , 2010, 5, 171-7.	0.4	3
2533	Pathways to neurodegeneration: mechanistic insights from GWAS in Alzheimer's disease, Parkinson's disease, and related disorders. <i>American Journal of Neurodegenerative Disease</i> , 2013, 2, 145-75.	0.1	116
2535	Genetic and epigenetic regulation of the brain-derived neurotrophic factor in the central nervous system. <i>Yale Journal of Biology and Medicine</i> , 2014, 87, 173-86.	0.2	30
2537	Methylation status of promoter 1 region of GDNF gene in human glioma cells. <i>International Journal of Clinical and Experimental Medicine</i> , 2014, 7, 1735-40.	1.3	5
2538	Epigenetics and chromatin remodeling play a role in lung disease. <i>Tanaffos</i> , 2011, 10, 7-16.	0.5	26
2539	Effects of 5-aza-2'-deoxycytidine and trichostatin A on high glucose- and interleukin-1 $\beta$ -induced secretory mediators from human retinal endothelial cells and retinal pigment epithelial cells. <i>Molecular Vision</i> , 2014, 20, 1411-21.	1.1	12
2540	Genetic & epigenetic approach to human obesity. <i>Indian Journal of Medical Research</i> , 2014, 140, 589-603.	0.4	16
2541	Gene methylation profiles as prognostic markers in ovarian clear cell and endometrioid adenocarcinomas. <i>American Journal of Translational Research (discontinued)</i> , 2015, 7, 139-52.	0.0	5

#	ARTICLE	IF	CITATIONS
2542	JARID1B deletion induced apoptosis in Jeko-1 and HL-60 cell lines. <i>International Journal of Clinical and Experimental Pathology</i> , 2015, 8, 171-83.	0.5	8
2543	Study of SFRP1 and SFRP2 methylation status in patients with de novo Acute Myeloblastic Leukemia. <i>International Journal of Hematology-Oncology and Stem Cell Research</i> , 2015, 9, 15-21.	0.3	14
2544	Epigenetic: A missing paradigm in cellular and molecular pathways of sulfur mustard lung: a prospective and comparative study. <i>Iranian Journal of Basic Medical Sciences</i> , 2015, 18, 723-36.	1.0	23
2545	The overexpression of MYST4 in human solid tumors is associated with increased aggressiveness and decreased overall survival. <i>International Journal of Clinical and Experimental Pathology</i> , 2019, 12, 431-442.	0.5	4
2548	The combination of G9a histone methyltransferase inhibitors with erythropoietin protects heart against damage from acute myocardial infarction. <i>American Journal of Translational Research (discontinued)</i> , 2020, 12, 3255-3271.	0.0	2
2549	Aberrant methylation of GADD45A is associated with decreased radiosensitivity in cervical cancer through the PI3K/AKT signaling pathway. <i>Oncology Letters</i> , 2021, 21, 8.	0.8	2
2550	HMGA1 induces EZH2 overexpression in human B-cell lymphomas. <i>American Journal of Cancer Research</i> , 2021, 11, 2174-2187.	1.4	2
2551	Phenotype. , 2021, , 3811-3815.		0
2552	Epigenetics and precision medicine in diabetes and obesity prevention and management. , 2022, , 327-346.		0
2553	Structural basis of the regulation of the normal and oncogenic methylation of nucleosomal histone H3 Lys36 by NSD2. <i>Nature Communications</i> , 2021, 12, 6605.	5.8	23
2554	Construction of diagnostic and subtyping models for renal cell carcinoma by genome-wide DNA methylation profiles. <i>Translational Andrology and Urology</i> , 2021, 10, 4161-4172.	0.6	3
2555	Genetic and Epigenetic Targeting Therapy for Pediatric Acute Lymphoblastic Leukemia. <i>Cells</i> , 2021, 10, 3349.	1.8	10
2556	Prognostic value of JAK3 promoter methylation and mRNA expression in clear cell renal cell carcinoma. <i>Journal of Advanced Research</i> , 2022, 40, 153-166.	4.4	3
2557	Methylome of skeletal muscle tissue in patients with hypertension and diabetes undergoing cardiopulmonary bypass. <i>Epigenomics</i> , 2021, 13, 1853-1866.	1.0	1
2559	Corticosterone-mediated regulation and functions of miR-218-5p in rat brain. <i>Scientific Reports</i> , 2022, 12, 194.	1.6	10
2561	Aberrant methylation of GADD45A is associated with decreased radiosensitivity in cervical cancer through the PI3K/AKT signaling pathway. <i>Oncology Letters</i> , 2020, 21, 1-1.	0.8	4
2562	CpG Island Methylator Phenotypeâ€™A Hope for the Future or a Road to Nowhere?. <i>International Journal of Molecular Sciences</i> , 2022, 23, 830.	1.8	8
2563	Epigenome-wide three-way interaction study identifies a complex pattern between <i>TRIM27</i> , <i>KIAA0226</i> , and smoking associated with overall survival of early-stage NSCLC. <i>Molecular Oncology</i> , 2022, 16, 717-731.	2.1	4

#	ARTICLE	IF	CITATIONS
2564	The association of long non-coding RNA in the prognosis of oral squamous cell carcinoma. <i>Genes and Genomics</i> , 2022, 44, 327.	0.5	3
2565	Therapies Targeting Epigenetic Alterations in Acute Kidney Injury-to-Chronic Kidney Disease Transition. <i>Pharmaceuticals</i> , 2022, 15, 123.	1.7	24
2566	Circulating metabolite homeostasis achieved through mass action. <i>Nature Metabolism</i> , 2022, 4, 141-152.	5.1	26
2567	Small molecule epigenetic modulators for enhancing recombinant antibody production in CHO cell cultures. <i>Biotechnology and Bioengineering</i> , 2022, 119, 820-831.	1.7	4
2568	Genetic Disorders. , 2022, , 207-221.		0
2569	LXT, a novel DNMT3b-binding protein, promotes breast cancer progression via negatively modulating lncRNA MEG3/p53 axis. <i>Molecular Therapy - Oncolytics</i> , 2022, 24, 497-506.	2.0	14
2572	Single-molecule analysis of genome-wide DNA methylation by fiber FISH coupled with atomic force microscopy. <i>Analyst, The</i> , 2022, 147, 1559-1566.	1.7	3
2573	Single polymeric microfiber waveguide platform for sensitive detection and discrimination of DNA methylation. <i>Analyst, The</i> , 2022, , .	1.7	0
2575	Age-Associated Changes in Exploratory Activity in the Open Field Test in Rats Surviving Prenatal Hypoxia. <i>Neuroscience and Behavioral Physiology</i> , 2022, 52, 271-276.	0.2	1
2576	Targeting Protein Kinases and Epigenetic Control as Combinatorial Therapy Options for Advanced Prostate Cancer Treatment. <i>Pharmaceutics</i> , 2022, 14, 515.	2.0	10
2577	Epigenetic modification in alcoholâ€related liver diseases. <i>Medicinal Research Reviews</i> , 2022, 42, 1463-1491.	5.0	9
2578	Construction of a Quantitative Genomic Map, Identification and Expression Analysis of Candidate Genes for Agronomic and Disease-Related Traits in <i>Brassica napus</i> . <i>Frontiers in Plant Science</i> , 2022, 13, 862363.	1.7	7
2579	Targeting key proteins involved in transcriptional regulation for cancer therapy: Current strategies and future prospective. <i>Medicinal Research Reviews</i> , 2022, 42, 1607-1660.	5.0	20
2580	The role of microRNAs in COVID-19 with a focus on miR-200c. <i>Journal of Circulating Biomarkers</i> , 2022, 11, 14-23.	0.8	7
2581	Childrenâ€™s ADHD and Dysregulation Problems, DAT1 Genotype and Methylation, and their Interplay with Family Environment. <i>Child and Youth Care Forum</i> , 2023, 52, 371-399.	0.9	3
2582	Construction of an APE1-Mediated Cascade Signal Amplification Platform for Homogeneously Sensitive and Rapid Measurement of DNA Methyltransferase in <i>Escherichia coli</i> Cells. <i>Analytical Chemistry</i> , 2022, 94, 5980-5986.	3.2	16
2583	Organotin(IV) complexes with epigenetic modulator ligands: New promising candidates in cancer therapy. <i>Inorganica Chimica Acta</i> , 2022, 536, 120901.	1.2	3
2584	Genome-wide methylomic analyses identify prognostic epigenetic signature in lower grade glioma. <i>Journal of Cellular and Molecular Medicine</i> , 2022, 26, 449-461.	1.6	8

#	ARTICLE	IF	CITATIONS
2585	Insights into roles of METTL14 in tumors. <i>Cell Proliferation</i> , 2022, 55, e13168.	2.4	21
2586	Targeting Epigenetics and Non-coding RNAs in Myocardial Infarction: From Mechanisms to Therapeutics. <i>Frontiers in Genetics</i> , 2021, 12, 780649.	1.1	5
2587	Preclinical Development of the Class-I Selective Histone Deacetylase Inhibitor OKI-179 for the Treatment of Solid Tumors. <i>Molecular Cancer Therapeutics</i> , 2022, 21, 397-406.	1.9	8
2588	Network-constrained regularization in computational biology and medicine. <i>Scripta Scientifica Medica</i> , 2021, 53, 31.	0.1	0
2589	Epigenetic changes in poultry due to reprogramming of the gut microbiota. <i>Animal Frontiers</i> , 2021, 11, 74-82.	0.8	6
2590	Association of DNA methylation and transcriptome reveals epigenetic etiology of heart failure. <i>Functional and Integrative Genomics</i> , 2022, 22, 89-112.	1.4	7
2591	Research Progress on Epigenetics of Diabetic Cardiomyopathy in Type 2 Diabetes. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 777258.	1.8	15
2592	Early Life Influences on Hearing in Adulthood. <i>Ear and Hearing</i> , 2021, Publish Ahead of Print, .	1.0	1
2593	Sperm DNA 5-methyl cytosine and RNA N <sup>6</sup> -methyladenosine methylation are differently affected during periods of body weight losses and body weight gain of young and mature breeding bulls. <i>Journal of Animal Science</i> , 2022, 100, .	0.2	4
2594	Epigenetics and Vascular Disease. , 2022, , 475-510.		1
2595	Epigenetic Effects of Healthy Foods and Lifestyle Habits from the Southern European Atlantic Diet Pattern: A Narrative Review. <i>Advances in Nutrition</i> , 2022, 13, 1725-1747.	2.9	16
2596	Thorough statistical analyses of breast cancer co-methylation patterns. <i>BMC Genomic Data</i> , 2022, 23, 29.	0.7	3
2597	Evolutionary History and Functional Diversification of the JmjC Domain-Containing Histone Demethylase Gene Family in Plants. <i>Plants</i> , 2022, 11, 1041.	1.6	5
2598	Non-coding RNAs Regulate the Pathogenesis of Aortic Dissection. <i>Frontiers in Cardiovascular Medicine</i> , 2022, 9, 890607.	1.1	5
2599	m6A echoes with DNA methylation: Coordinated DNA methylation and gene expression data analysis identified critical m6A genes associated with asthma. <i>Gene</i> , 2022, 828, 146457.	1.0	4
2600	Enhanced electrochemiluminescence biosensing of gene-specific methylation in thyroid cancer patients' plasma based integrated graphitic carbon nitride-encapsulated metal-organic framework nanozyme optimized by central composite design. <i>Sensors and Actuators B: Chemical</i> , 2022, 364, 131895.	4.0	23
2614	Methylation of RAR- $\beta$ 2, RASSF1A, and CDKN2A genes induced by nickel subsulfide and nickel-carcinogenesis in rats. <i>Biomedical and Environmental Sciences</i> , 2011, 24, 163-71.	0.2	32
2615	New Insights into TETs in Psychiatric Disorders. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4909.	1.8	3



#	ARTICLE	IF	CITATIONS
2616	Cardiometabolic Effects of Postnatal High-Fat Diet Consumption in Offspring Exposed to Maternal Protein Restriction In Utero. <i>Frontiers in Physiology</i> , 2022, 13, .	1.3	3
2617	A comprehensive review on high -fat diet-induced diabetes mellitus: an epigenetic view. <i>Journal of Nutritional Biochemistry</i> , 2022, 107, 109037.	1.9	23
2618	Dynamic Data Driven Application Systems for Identification of Biomarkers in DNA Methylation. , 2022, , 241-261.		1
2619	Altered Heterochromatin Organization after Perinatal Exposure to Zidovudine. <i>Antiviral Therapy</i> , 2007, 12, 179-188.	0.6	16
2620	Graphene Based Nanomaterials for ROS-Mediated Cancer Therapeutics. , 2022, , 1-26.		0
2621	Modelling the neurodevelopmental pathogenesis in neuropsychiatric disorders. Bioactive kynurenines and their analogues as neuroprotective agentsâ€™in celebration of 80th birthday of Professor Peter Riederer. <i>Journal of Neural Transmission</i> , 2022, 129, 627-642.	1.4	45
2622	Deciphering Obesity-Related Gene Clusters Unearths SOCS3 Immune Infiltrates and 5mC/m6A Modifiers in Ossification of Ligamentum Flavum Pathogenesis. <i>Frontiers in Endocrinology</i> , 2022, 13, .	1.5	5
2623	Histone Modifications and Non-Coding RNAs: Mutual Epigenetic Regulation and Role in Pathogenesis. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5801.	1.8	31
2624	Epigenetic Regulation in Cancer and Cancer Therapies. , 0, , .		0
2625	Germline Abnormalities in DNA Methylation and Histone Modification and Associated Cancer Risk. <i>Current Hematologic Malignancy Reports</i> , 0, , .	1.2	0
2627	Design, synthesis, and biological evaluation of novel carbazole derivatives as potent DNMT1 inhibitors with reasonable PK properties. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2022, 37, 1537-1555.	2.5	2
2628	Epigenetic Regulation of NGF-Mediated Osteogenic Differentiation in Human Dental Mesenchymal Stem Cells. <i>Stem Cells</i> , 2022, 40, 818-830.	1.4	6
2629	First Steps towards the Development of Epigenetic Biomarkers in Female Cheetahs ( <i>Acinonyx jubatus</i> ). <i>Life</i> , 2022, 12, 920.	1.1	1
2630	Blood-based liquid biopsies for prostate cancer: clinical opportunities and challenges. <i>British Journal of Cancer</i> , 2022, 127, 1394-1402.	2.9	25
2631	Promoter Gene Methylation Regulates Clooxygenase-2 Expression in Androgen-Dependent and Independent Prostate Cancer Cells. <i>World Journal of Oncology</i> , 2022, 13, 107-116.	0.6	2
2632	Comprehensive molecular evaluation of the histone methyltransferase gene family and their important roles in two-line hybrid wheat. <i>BMC Plant Biology</i> , 2022, 22, .	1.6	0
2633	Epigenetic regulation of vascular development (microRNAs). , 2022, , 89-92.		0
2635	Targeting the Epigenome in Malignant Melanoma: Facts, Challenges and Therapeutic Promises. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0

#	ARTICLE	IF	CITATIONS
2636	Promoter Specific Methylation of SSTR4 is Associated With Alcohol Dependence in Han Chinese Males. <i>Frontiers in Genetics</i> , 0, 13, .	1.1	1
2637	The importance of kidney calcium handling in the homeostasis of extracellular fluid calcium. <i>Pflugers Archiv European Journal of Physiology</i> , 2022, 474, 885-900.	1.3	9
2638	Chromatin Methylation Abnormalities in Autosomal Dominant Polycystic Kidney Disease. <i>Frontiers in Medicine</i> , 0, 9, .	1.2	1
2639	Ultra-specific fluorescence detection of DNA modifying enzymes by dissipation system. <i>Biosensors and Bioelectronics</i> , 2022, 215, 114561.	5.3	7
2640	Prenatal Exposure to Delta-9-tetrahydrocannabinol (THC) Alters the Expression of miR-122-5p and Its Target Igf1r in the Adult Rat Ovary. <i>International Journal of Molecular Sciences</i> , 2022, 23, 8000.	1.8	3
2641	B-scaling: A novel nonparametric data fusion method. <i>Annals of Applied Statistics</i> , 2022, 16, .	0.5	0
2642	Promise of Mindfulness-Based Interventions as Therapies to Prevent Cognitive Decline. <i>McGill Science Undergraduate Research Journal</i> , 2015, 10, 49-54.	0.1	2
2643	Rapid and Efficient Spatiotemporal Monitoring of Normal and Aberrant Cytosine Methylation within Intact Zebrafish Embryos. <i>Journal of Visualized Experiments</i> , 2022, , .	0.2	1
2644	The association between ACTB methylation in peripheral blood and coronary heart disease in a case-control study. <i>Frontiers in Cardiovascular Medicine</i> , 0, 9, .	1.1	5
2645	A sensing strategy combining T7 promoter-contained DNA probe with CRISPR/Cas13a for detection of bacteria and human methyltransferase. <i>Analytica Chimica Acta</i> , 2022, 1227, 340266.	2.6	6
2647	Phase separation in epigenetics and cancer stem cells. <i>Frontiers in Oncology</i> , 0, 12, .	1.3	3
2648	The roles and mechanisms of epigenetic regulation in pathological myocardial remodeling. <i>Frontiers in Cardiovascular Medicine</i> , 0, 9, .	1.1	2
2649	A novel age-related gene expression signature associates with proliferation and disease progression in breast cancer. <i>British Journal of Cancer</i> , 2022, 127, 1865-1875.	2.9	5
2650	Maternal high-fat diet modifies epigenetic marks H3K27me3 and H3K27ac in bone to regulate offspring osteoblastogenesis in mice. <i>Epigenetics</i> , 2022, 17, 2209-2222.	1.3	3
2651	Maternal soybean diet on prevention of obesity-related breast cancer through early-life gut microbiome and epigenetic regulation. <i>Journal of Nutritional Biochemistry</i> , 2022, 110, 109119.	1.9	8
2652	Effects of Zinc, Copper and Iron Oxide Nanoparticles on Induced DNA Methylation, Genomic Instability and LTR Retrotransposon Polymorphism in Wheat ( <i>Triticum aestivum</i> L.). <i>Plants</i> , 2022, 11, 2193.	1.6	8
2653	Hepatic RNA adduction derived from metabolic activation of retrorsine in vitro and in vivo. <i>Chemico-Biological Interactions</i> , 2022, 365, 110047.	1.7	2
2654	Electrochemiluminescence biosensor for DNA adenine methylation methyltransferase based on CRISPR/Cas12a trans-cleavage-induced dual signal enhancement. <i>Talanta</i> , 2023, 251, 123748.	2.9	8

#	ARTICLE	IF	CITATIONS
2655	Population Pharmacoeigenomics. , 2023, , 687-694.		0
2656	Epigenetic Events in Lung Cancer. Medical Radiology, 2022, , .	0.0	0
2657	Polypharmacology in Drug Design and Discoveryâ€”Basis for Rational Design of Multitarget Drugs. , 2022, , 397-533.		1
2658	Interventionist Explanations. European Studies in Philosophy of Science, 2022, , 135-166.	0.4	0
2659	Graphene-Based Nanomaterials for ROS-Mediated Cancer Therapeutics. , 2022, , 2891-2916.		0
2660	Ultrasensitive detection of DNA methyltransferase activity: a novel dual-amplification fluorescence technique. Analyst, The, 2022, 147, 4980-4985.	1.7	3
2661	Modern Psychiatry: Confluence of Mind, Science, and Society. Integrated Science, 2022, , 105-122.	0.1	0
2662	Recent Advance of Histone Modification in Gastric Cancer : A Review. International Journal of Advanced Research in Science, Communication and Technology, 0, , 562-569.	0.0	0
2663	Deciphering and Targeting Epigenetics in Cancer Metastasis. , 0, , .		1
2664	A Unique Glimpse into the Crosstalk Between Different Epigenetic Mechanisms in Porcine Embryonic Development. Biology of Reproduction, 0, , .	1.2	0
2665	Epigenetic memory contributing to the pathogenesis of AKI-to-CKD transition. Frontiers in Molecular Biosciences, 0, 9, .	1.6	8
2666	Cellular specificity of androgen receptor, coregulators, and pioneer factors in prostate cancer. Endocrine Oncology, 2022, 2, R112-R131.	0.1	4
2667	The Evolving Role of Next-Generation Sequencing in Pediatric Neurosurgery: A Call for Action for Research, Clinical Practice, and Optimization of Care. World Neurosurgery, 2022, 168, 232-242.	0.7	1
2668	Mechanism of immunomodulatory drug resistance and novel therapeutic strategies in multiple myeloma. Hematology, 2022, 27, 1110-1121.	0.7	3
2669	Identification of cystic fibrosis transmembrane conductance regulator as a prognostic marker for juvenile myelomonocytic leukemia via the whole-genome bisulfite sequencing of monozygotic twins and data mining. Translational Pediatrics, 2022, 11, 1521-1533.	0.5	1
2670	Histone methylation modification patterns and relevant M-RiskScore in acute myeloid leukemia. Heliyon, 2022, 8, e10610.	1.4	0
2671	Epigenetic regulation of pancreatic adenocarcinoma in the era of cancer immunotherapy. Journal of Gastroenterology, 2022, 57, 819-826.	2.3	3
2672	Targeted demethylation at ZNF154 promotor upregulates ZNF154 expression and inhibits the proliferation and migration of Esophageal Squamous Carcinoma cells. Oncogene, 2022, 41, 4537-4546.	2.6	7

#	ARTICLE	IF	CITATIONS
2673	Epigenetic regulation of inflammation in insulin resistance. <i>Seminars in Cell and Developmental Biology</i> , 2024, 154, 185-192.	2.3	2
2674	An interdisciplinary approach to characterize peanut allergic patients' First data from the FOOD@ consortium. <i>Clinical and Translational Allergy</i> , 2022, 12, .	1.4	1
2675	Significance of NRF2 in physiological and pathological conditions an comprehensive review. <i>Archives of Biochemistry and Biophysics</i> , 2022, 730, 109417.	1.4	15
2676	Pathogenesis, multi-omics research, and clinical treatment of psoriasis. <i>Journal of Autoimmunity</i> , 2022, 133, 102916.	3.0	21
2677	Obesidade, síndrome metabólica e saúde humana. , 2021, , 257-276.		0
2678	Structural Basis of Targeted Imaging and Therapy in Cancer Explorations with the Epigenetic Drugs. <i>Sub-Cellular Biochemistry</i> , 2022, , 503-521.	1.0	0
2679	Transgenerational Epigenetic Programming. , 2022, , 123-148.		0
2680	Long-noncoding RNAs as epigenetic regulators in neurodegenerative diseases. <i>Neural Regeneration Research</i> , 2023, 18, 1243.	1.6	11
2681	Genome-Wide Identification of Maize Protein Arginine Methyltransferase Genes and Functional Analysis of ZmPRMT1 Reveal Essential Roles in Arabidopsis Flowering Regulation and Abiotic Stress Tolerance. <i>International Journal of Molecular Sciences</i> , 2022, 23, 12793.	1.8	5
2682	The role of epigenetic modification and the possibility of epigenetic therapy in the transition of acute kidney injury to chronic kidney disease. <i>Klinicheskaia Meditsina</i> , 2022, 100, 357-363.	0.2	0
2683	The function and mechanism of lactate and lactylation in tumor metabolism and microenvironment. <i>Genes and Diseases</i> , 2023, 10, 2029-2037.	1.5	6
2684	Ubiquitin modification in osteogenic differentiation and bone formation: From mechanisms to clinical significance. <i>Frontiers in Cell and Developmental Biology</i> , 0, 10, .	1.8	4
2685	Targeting the epigenome in malignant melanoma: Facts, challenges and therapeutic promises. , 2022, 240, 108301.		9
2686	FOXK2 transcription factor and its roles in tumorigenesis (Review). <i>Oncology Letters</i> , 2022, 24, .	0.8	0
2687	Blood-based DNA methylation signatures in cancer: A systematic review. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2023, 1869, 166583.	1.8	8
2688	Ratiometric Electrochemical Biosensing of Methyltransferase Activity. <i>Catalysts</i> , 2022, 12, 1362.	1.6	0
2690	DNA methylation predicts the outcome of COVID-19 patients with acute respiratory distress syndrome. <i>Journal of Translational Medicine</i> , 2022, 20, .	1.8	5
2691	Epigenetic regulation of bone remodeling and bone metastasis. <i>Seminars in Cell and Developmental Biology</i> , 2024, 154, 275-285.	2.3	7

#	ARTICLE	IF	CITATIONS
2692	Histone deacetylases 1 and 2 target gene regulatory networks of nephron progenitors to control nephrogenesis. <i>Biochemical Pharmacology</i> , 2022, 206, 115341.	2.0	0
2695	Philosophy of Science for Management Theory, Practice, and Sci-fi Freaks: An Introduction. <i>Handbooks in Philosophy</i> , 2022, , 205-218.	0.1	1
2696	Integrative methylome and transcriptome analysis of porcine abdominal fat indicates changes in fat metabolism and immune responses during different development. <i>Journal of Animal Science</i> , 2022, 100, .	0.2	1
2698	Pyroptosis in inflammatory bone diseases: Molecular insights and targeting strategies. <i>FASEB Journal</i> , 2022, 36, .	0.2	8
2699	Hypomethylation of Thyroid Peroxidase as a Biomarker for Hepatocellular Carcinoma with Tumor Thrombosis. <i>Current Medical Science</i> , 0, , .	0.7	0
2700	Epigenetic effects on broiler exposure to magnetic field on progeny meat production traits. <i>Revista Bionatura</i> , 2022, 7, 1-4.	0.1	0
2701	Dietary restriction in senolysis and prevention and treatment of disease. <i>Critical Reviews in Food Science and Nutrition</i> , 0, , 1-27.	5.4	1
2702	Characterization of the Illumina EPIC array for optimal applications in epigenetic research targeting diverse human populations. , 2022, 2, .		0
2703	Involvement of epigenetics in affecting host immunity during SARS-CoV-2 infection. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2023, 1869, 166634.	1.8	2
2704	Analysis and therapeutic targeting of the EP300 and CREBBP acetyltransferases in anaplastic large cell lymphoma and Hodgkin lymphoma. <i>Leukemia</i> , 2023, 37, 396-407.	3.3	5
2705	Global Histone Modifications Predict the Outcome of Glaucoma Surgery. <i>Journal of the Korean Glaucoma Society</i> , 2022, 11, 49.	0.0	0
2706	Early Life Stress (ELS) Effects on Fetal and Adult Bone Development. <i>Children</i> , 2023, 10, 102.	0.6	0
2707	Characterizing crosstalk in epigenetic signaling to understand disease physiology. <i>Biochemical Journal</i> , 2023, 480, 57-85.	1.7	4
2708	Comprehensive analysis of PTPN family expression and prognosis in acute myeloid leukemia. <i>Frontiers in Genetics</i> , 0, 13, .	1.1	2
2709	Epigenetic modifications in chronic rhinosinusitis with and without nasal polyps. <i>Frontiers in Genetics</i> , 0, 13, .	1.1	1
2710	Effects of in ovo feeding of chlorogenic acid on antioxidant capacity of postnatal broilers. <i>Frontiers in Physiology</i> , 0, 14, .	1.3	2
2711	Chromatin Dynamics: Chromatin Remodeler, Epigenetic Modification and Diseases. , 0, , .		0
2712	The prognostic value and immune correlation of IL18 expression and promoter methylation in renal cell carcinoma. <i>Clinical Epigenetics</i> , 2023, 15, .	1.8	3

#	ARTICLE	IF	CITATIONS
2713	Introduction of Epigenetic regulations in organ specific disorders. , 2023, , 1-8.		0
2714	HDAC inhibition in cancer. , 2023, , 63-97.		0
2715	Recent Advances on Small-Molecule Bromodomain-Containing Histone Acetyltransferase Inhibitors. Journal of Medicinal Chemistry, 2023, 66, 1678-1699.	2.9	7
2716	Epigenetics of radiation-induced GI damage: Role of protein modifications. , 2023, , 545-563.		0
2718	Modulation of epigenetic methylation enzymes by synthetic and natural agents. , 2023, , 325-357.		0
2719	Cannabinoids Transmogrify Cancer Metabolic Phenotype via Epigenetic Reprogramming and a Novel CBD Biased G Protein-Coupled Receptor Signaling Platform. Cancers, 2023, 15, 1030.	1.7	1
2720	ROS promote hyper-methylation of NDRG2 promoters in a DNMT5-dependent manner: Contributes to the progression of renal fibrosis. Redox Biology, 2023, 62, 102674.	3.9	5
2721	Epigenetics and the role of nutraceuticals in health and disease. Environmental Science and Pollution Research, 2023, 30, 28480-28505.	2.7	2
2722	Dieting reverses histone methylation and hypothalamic AgRP regulation in obese rats. Frontiers in Endocrinology, 0, 14, .	1.5	1
2723	Restoring Epigenetic Reprogramming with Diet and Exercise to Improve Health-Related Metabolic Diseases. Biomolecules, 2023, 13, 318.	1.8	2
2724	A gene-encoded FRET fluorescent sensor designed for detecting asymmetric dimethylation levels in vitro and in living cells. Analytical and Bioanalytical Chemistry, 2023, 415, 1411-1420.	1.9	2
2725	High-throughput Sequencing Technology and Its Application in Epigenetics Studies. SHS Web of Conferences, 2023, 158, 01005.	0.1	1
2726	Components, prospects and challenges of personalized prevention. Frontiers in Public Health, 0, 11, .	1.3	3
2727	Modulation of AMPK/ TET2/ 5-hmC axis in response to metabolic alterations as a novel pathway for obesity-related colorectal cancer development. Scientific Reports, 2023, 13, .	1.6	0
2728	MicroRNA in lung cancer a novel potential way for early diagnosis and therapy. Journal of Applied Genetics, 2023, 64, 459-477.	1.0	3
2729	Noninvasive Positron Emission Tomography Imaging of SIRT1 in a Model of Early-Stage Alcoholic Liver Disease. Molecular Pharmaceutics, 2023, 20, 1990-1995.	2.3	1
2730	Insight into epigenetics and human diseases. Progress in Molecular Biology and Translational Science, 2023, , 1-21.	0.9	0
2731	Translational advances in the treatment of childhood acute lymphoblastic leukemia: narrative review of current and emerging molecular and immunotherapies. Translational Pediatrics, 2023, 12, 487-502.	0.5	2

#	ARTICLE	IF	CITATIONS
2732	Cancer Epigenetics. , 2023, , 177-204.		0
2733	Coordinated alternation of DNA methylation and alternative splicing of PBRM1 affect bovine sperm structure and motility. Epigenetics, 2023, 18, .	1.3	1
2734	Early epigenetic markers for precision medicine. Progress in Molecular Biology and Translational Science, 2023, , .	0.9	0
2735	Affective Disorders Using the Example of Unipolar Depression. , 2023, , 283-310.		0
2736	Machine learning-assisted global DNA methylation fingerprint analysis for differentiating early-stage lung cancer from benign lung diseases. Biosensors and Bioelectronics, 2023, 235, 115235.	5.3	3
2737	Epigenetics in epilepsy. Progress in Molecular Biology and Translational Science, 2023, , .	0.9	0
2738	Unique regulatory roles of ncRNAs changed by PM2.5 in human diseases. Ecotoxicology and Environmental Safety, 2023, 255, 114812.	2.9	3
2739	Recent progress and structural analyses of domainâ€selective BET inhibitors. Medicinal Research Reviews, 2023, 43, 972-1018.	5.0	9
2740	An omics approach to delineating the molecular mechanisms that underlie the biological effects of physical plasma. Biophysics Reviews, 2023, 4, 011312.	1.0	0
2741	Epigenetics Approaches toward Precision Medicine for Idiopathic Pulmonary Fibrosis: Focus on DNA Methylation. Biomedicines, 2023, 11, 1047.	1.4	3
2742	Reactive oxygen species overload: a review of plasma therapy and photobiomodulation for cancer treatment. Medical Lasers, 2023, 12, 18-28.	0.2	0
2743	5-Aza-2â€Deoxycytidine (5-Aza-dC, Decitabine) Inhibits Collagen Type I and III Expression in TGF-Î²1-Treated Equine Endometrial Fibroblasts. Animals, 2023, 13, 1212.	1.0	1
2744	Epigenetics in renal diseases. Progress in Molecular Biology and Translational Science, 2023, , .	0.9	0
2745	Hydrogen sulfide and epigenetics: Novel insights into the cardiovascular effects of this gasotransmitter. British Journal of Pharmacology, 2023, 180, 1793-1802.	2.7	5
2748	The Relevance of Epigenetic Biomarkers for Breast Cancer and Obesity for Personalised Treatment in Public Healthcare: A Systematic Review. , 2022, 13, .		0
2749	Single-cell multi-omics sequencing and its application in tumor heterogeneity. Briefings in Functional Genomics, 2023, 22, 313-328.	1.3	2
2750	The intergenerational effects on fetal programming. , 2023, , 387-407.		0
2751	Genomeâ€wide screen for anticancer drug resistance in haploid human embryonic stem cells. Cell Proliferation, 2023, 56, .	2.4	0



#	ARTICLE	IF	CITATIONS
2759	CRISPR, epigenetics, and cancer. , 2023, , 687-707.		0
2770	Epigenetic Modification of MicroRNAs. , 2023, , 79-110.		0
2772	Who Will Own Our Global Digital Twin: The Power of Genetic and Biographic Information to Shape Our Lives. , 2023, , 11-35.		1
2779	Cell-Free DNA, MicroRNAs, Proteins, and Peptides as Liquid Biopsy Biomarkers in Prostate Cancer and Bladder Cancer. <i>Methods in Molecular Biology</i> , 2023, , 165-179.	0.4	2
2786	Changes in Targets as an Explanation for Drug Resistance in Epilepsy. , 2023, , 109-130.		0
2788	Micronutrients in early life and offspring metabolic health programming: a promising target for preventing non-communicable diseases. <i>European Journal of Clinical Nutrition</i> , 0, , .	1.3	0
2792	Crosstalk between phospholipases and noncoding RNAs in cancer. , 2023, , 405-427.		0
2793	Lecture du spermogramme, du spermocytogramme et examens complémentaires. , 2023, , 71-82.		0
2798	The role of epigenetics in cardiovascular disease. , 2024, , 717-759.		0
2800	miRNAs as biomarkers breast cancer and their influence on tumor epigenetics. , 2024, , 173-205.		0
2802	Epigenetic changes driving therapy resistance in prostate cancer. , 2024, , 85-106.		0
2803	Epigenetic Enzymes and Their Mutations in Cancer. <i>Epigenetics and Human Health</i> , 2023, , 31-76.	0.2	0
2804	Epigenetic modification: key regulator of reprogramming in cancer stem cells. , 2024, , 227-242.		0
2807	Die soziologische Perspektive auf Gesundheit und Krankheit. , 2023, , 1-19.		0
2811	Cell Cycle, DNA Damage Repair Systems, and Impact of Redox Regulation in Cancer. , 2023, , 269-309.		0
2814	A review on recent advances in assays for DNMT1: a promising diagnostic biomarker for multiple human cancers. <i>Analyst, The</i> , 2024, 149, 1002-1021.	1.7	0
2818	Technological evolution in cancer diagnosis and therapeutics. , 2024, , 33-54.		0
2820	Best practices for epigenome-wide DNA modification data collection and analysis. , 2024, , 261-284.		0

#	ARTICLE	IF	CITATIONS
2822	Biomarkers in endometrial and cervical cancer. , 2024, , 313-320.		0
2829	Krebsepigenetik. , 2024, , 205-237.		0