

# Toshikazu Ushijima

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

153  
papers

7,623  
citations

47  
h-index

82  
g-index

159  
ext. papers

8,551  
ext. citations

7.6  
avg, IF

6.03  
L-index

#	Paper	IF	Citations
153	Autoimmune gastritis induces aberrant DNA methylation reflecting its carcinogenic potential.. <i>Journal of Gastroenterology</i> , <b>2022</b> , 57, 144	6.9	0
152	ARID1A loss-of-function induces CpG island methylator phenotype.. <i>Cancer Letters</i> , <b>2022</b> , 532, 215587	9.9	
151	DNA methylation marker to estimate ovarian cancer cell fraction.. <i>Medical Oncology</i> , <b>2022</b> , 39, 78	3.7	0
150	Combination of a synthetic retinoid and a DNA demethylating agent induced differentiation of neuroblastoma through retinoic acid signal reprogramming. <i>British Journal of Cancer</i> , <b>2021</b> , 125, 1647-1656	8.7	
149	SAA1 is upregulated in gastric cancer-associated fibroblasts possibly by its enhancer activation. <i>Carcinogenesis</i> , <b>2021</b> , 42, 180-189	4.6	5
148	Influence of degree of DNA degradation in formalin-fixed and paraffin-embedded tissue samples on accuracy of genome-wide DNA methylation analysis. <i>Epigenomics</i> , <b>2021</b> , 13, 565-576	4.4	2
147	Silylation of Deoxynucleotide Analog Yields an Orally Available Drug with Antileukemia Effects. <i>Molecular Cancer Therapeutics</i> , <b>2021</b> , 20, 1412-1421	6.1	2
146	Mapping genomic and epigenomic evolution in cancer ecosystems. <i>Science</i> , <b>2021</b> , 373, 1474-1479	33.3	2
145	Prediction of tissue origin of adenocarcinomas in the esophagogastric junction by DNA methylation. <i>Gastric Cancer</i> , <b>2021</b> , 1	7.6	1
144	Comparable genetic alteration profiles between gastric cancers with current and past Helicobacter pylori infection. <i>Scientific Reports</i> , <b>2021</b> , 11, 23443	4.9	
143	Targeting aberrant DNA hypermethylation as a driver of ATL leukemogenesis by using the new oral demethylating agent OR-2100. <i>Blood</i> , <b>2020</b> , 136, 871-884	2.2	11
142	TET repression and increased DNMT activity synergistically induce aberrant DNA methylation. <i>Journal of Clinical Investigation</i> , <b>2020</b> , 130, 5370-5379	15.9	19
141	Genetic and epigenetic profiling indicates the proximal tubule origin of renal cancers in end-stage renal disease. <i>Cancer Science</i> , <b>2020</b> , 111, 4276-4287	6.9	6
140	Multi-omics analyses identify HSD17B4 methylation-silencing as a predictive and response marker of HER2-positive breast cancer to HER2-directed therapy. <i>Scientific Reports</i> , <b>2020</b> , 10, 15530	4.9	5
139	Low-dose DNA demethylating therapy induces reprogramming of diverse cancer-related pathways at the single-cell level. <i>Clinical Epigenetics</i> , <b>2020</b> , 12, 142	7.7	4
138	Cancer cell niche factors secreted from cancer-associated fibroblast by loss of H3K27me3. <i>Gut</i> , <b>2020</b> , 69, 243-251	19.2	35
137	Epigenetic priming sensitizes gastric cancer cells to irinotecan and cisplatin by restoring multiple pathways. <i>Gastric Cancer</i> , <b>2020</b> , 23, 105-115	7.6	16

136	BRCA1 promoter methylation in breast cancer patients is associated with response to olaparib/eribulin combination therapy. <i>Breast Cancer Research and Treatment</i> , <b>2020</b> , 181, 323-329	4.4	2
135	FGF5 methylation is a sensitivity marker of esophageal squamous cell carcinoma to definitive chemoradiotherapy. <i>Scientific Reports</i> , <b>2019</b> , 9, 13347	4.9	5
134	LINC00162 confers sensitivity to 5-Aza-2'deoxyctidine via modulation of an RNA splicing protein, HNRNPH1. <i>Oncogene</i> , <b>2019</b> , 38, 5281-5293	9.2	11
133	Accumulation of genetic and epigenetic alterations in normal cells and cancer risk. <i>Npj Precision Oncology</i> , <b>2019</b> , 3, 7	9.8	67
132	The Origin of CIMP, At Last. <i>Cancer Cell</i> , <b>2019</b> , 35, 165-167	24.3	7
131	Metabolomic profiling reveals salivary hypotaurine as a potential early detection marker for medication-related osteonecrosis of the jaw. <i>PLoS ONE</i> , <b>2019</b> , 14, e0220712	3.7	13
130	Novel prodrugs of decitabine with greater metabolic stability and less toxicity. <i>Clinical Epigenetics</i> , <b>2019</b> , 11, 111	7.7	12
129	Presacral malignant teratoid neoplasm in association with pathogenic DICER1 variation. <i>Modern Pathology</i> , <b>2019</b> , 32, 1744-1750	9.8	14
128	RNF208, an estrogen-inducible E3 ligase, targets soluble Vimentin to suppress metastasis in triple-negative breast cancers. <i>Nature Communications</i> , <b>2019</b> , 10, 5805	17.4	19
127	Distinct DNA methylation targets by aging and chronic inflammation: a pilot study using gastric mucosa infected with <i>Helicobacter pylori</i> . <i>Clinical Epigenetics</i> , <b>2019</b> , 11, 191	7.7	13
126	Epigenetic reprogramming underlies efficacy of DNA demethylation therapy in osteosarcomas. <i>Scientific Reports</i> , <b>2019</b> , 9, 20360	4.9	9
125	Antibiotics suppress colon tumorigenesis through inhibition of aberrant DNA methylation in an azoxymethane and dextran sulfate sodium colitis model. <i>Cancer Science</i> , <b>2019</b> , 110, 147-156	6.9	14
124	Predictive value of genetic analysis for pathological complete response to preoperative treatment in HER2 positive, HR negative early breast cancer (PASSION trial). <i>Japanese Journal of Clinical Oncology</i> , <b>2018</b> , 48, 388-391	2.8	2
123	Novel epigenetic markers for gastric cancer risk stratification in individuals after <i>Helicobacter pylori</i> eradication. <i>Gastric Cancer</i> , <b>2018</b> , 21, 745-755	7.6	24
122	Genetic and epigenetic alterations in normal tissues have differential impacts on cancer risk among tissues. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, 1328-1333	11.5	50
121	Analysis of DNA Methylation in Tissues Exposed to Inflammation. <i>Methods in Molecular Biology</i> , <b>2018</b> , 1725, 185-199	1.4	5
120	Establishment of a high-throughput detection system for DNA demethylating agents. <i>Epigenetics</i> , <b>2018</b> , 13, 147-155	5.7	8
119	Roadmap for investigating epigenome deregulation and environmental origins of cancer. <i>International Journal of Cancer</i> , <b>2018</b> , 142, 874-882	7.5	46

118	Methylation changes and aberrant expression of FGFR3 in Lewy body disease neurons. <i>Brain Research</i> , <b>2018</b> , 1697, 59-66	3.7	4
117	DNA methylation marker to estimate the breast cancer cell fraction in DNA samples. <i>Medical Oncology</i> , <b>2018</b> , 35, 147	3.7	6
116	Epigenetic inactivation of FAT4 contributes to gastric field cancerization. <i>Gastric Cancer</i> , <b>2017</b> , 20, 136-145	4.5	24
115	Genome-wide DNA methylation profiling identifies primary central nervous system lymphoma as a distinct entity different from systemic diffuse large B-cell lymphoma. <i>Acta Neuropathologica</i> , <b>2017</b> , 133, 321-324	14.3	14
114	Genome-wide methylation profiles in primary intracranial germ cell tumors indicate a primordial germ cell origin for germinomas. <i>Acta Neuropathologica</i> , <b>2017</b> , 133, 445-462	14.3	38
113	Autophagy impairment by Helicobacter pylori-induced methylation silencing of MAP1LC3Av1 promotes gastric carcinogenesis. <i>International Journal of Cancer</i> , <b>2017</b> , 140, 2272-2283	7.5	38
112	Identification of a TLR2-regulated gene signature associated with tumor cell growth in gastric cancer. <i>Oncogene</i> , <b>2017</b> , 36, 5134-5144	9.2	41
111	WNT Pathway Gene Mutations Are Associated With the Presence of Dysplasia in Colorectal Sessile Serrated Adenoma/Polyps. <i>American Journal of Surgical Pathology</i> , <b>2017</b> , 41, 1188-1197	6.7	44
110	Degree of methylation burden is determined by the exposure period to carcinogenic factors. <i>Cancer Science</i> , <b>2017</b> , 108, 316-321	6.9	11
109	Targeting of super-enhancers and mutant BRAF can suppress growth of BRAF-mutant colon cancer cells via repression of MAPK signaling pathway. <i>Cancer Letters</i> , <b>2017</b> , 402, 100-109	9.9	21
108	A tissue microRNA signature that predicts the prognosis of breast cancer in young women. <i>PLoS ONE</i> , <b>2017</b> , 12, e0187638	3.7	27
107	A novel method to quantify base substitution mutations at the 10 per bp level in DNA samples. <i>Cancer Letters</i> , <b>2017</b> , 403, 152-158	9.9	6
106	PRC2-Mediated Transcriptomic Alterations at the Embryonic Stage Govern Tumorigenesis and Clinical Outcome in MYCN-Driven Neuroblastoma. <i>Cancer Research</i> , <b>2017</b> , 77, 5259-5271	10.1	18
105	Mechanisms for the induction of gastric cancer by Helicobacter pylori infection: aberrant DNA methylation pathway. <i>Gastric Cancer</i> , <b>2017</b> , 20, 8-15	7.6	62
104	Chronic treatment of non-small-cell lung cancer cells with gefitinib leads to an epigenetic loss of epithelial properties associated with reductions in microRNA-155 and -200c. <i>PLoS ONE</i> , <b>2017</b> , 12, e0172115	3.7	20
103	Pathological complete response of HER2-positive breast cancer to trastuzumab and chemotherapy can be predicted by HSD17B4 methylation. <i>Oncotarget</i> , <b>2017</b> , 8, 19039-19048	3.3	18
102	Comprehensive analyses using next-generation sequencing and immunohistochemistry enable precise treatment in advanced gastric cancer. <i>Annals of Oncology</i> , <b>2016</b> , 27, 127-33	10.3	52
101	Integrated analysis of DNA methylation and mutations in esophageal squamous cell carcinoma. <i>Molecular Carcinogenesis</i> , <b>2016</b> , 55, 2077-2088	5	19

100	Epigenetic impact of infection on carcinogenesis: mechanisms and applications. <i>Genome Medicine</i> , <b>2016</b> , 8, 10	14.4	75
99	Recurrent mutations of CD79B and MYD88 are the hallmark of primary central nervous system lymphomas. <i>Neuropathology and Applied Neurobiology</i> , <b>2016</b> , 42, 279-90	5.2	118
98	Establishment of a DNA methylation marker to evaluate cancer cell fraction in gastric cancer. <i>Gastric Cancer</i> , <b>2016</b> , 19, 361-369	7.6	18
97	Incidence of and risk factors for metachronous gastric cancer after endoscopic resection and successful Helicobacter pylori eradication: results of a large-scale, multicenter cohort study in Japan. <i>Gastric Cancer</i> , <b>2016</b> , 19, 911-8	7.6	60
96	Recurrent neomorphic mutations of MTOR in central nervous system and testicular germ cell tumors may be targeted for therapy. <i>Acta Neuropathologica</i> , <b>2016</b> , 131, 889-901	14.3	38
95	Early-Stage Induction of SWI/SNF Mutations during Esophageal Squamous Cell Carcinogenesis. <i>PLoS ONE</i> , <b>2016</b> , 11, e0147372	3.7	12
94	Systemic Administration of Small Interfering RNA Targeting Human Nestin Inhibits Pancreatic Cancer Cell Proliferation and Metastasis. <i>Pancreas</i> , <b>2016</b> , 45, 93-100	2.6	16
93	The Moment that KRAS Mutation Started to Evolve into Precision Medicine in Metastatic Colorectal Cancer. <i>Cancer Research</i> , <b>2016</b> , 76, 6443-6444	10.1	6
92	ZNF695 methylation predicts a response of esophageal squamous cell carcinoma to definitive chemoradiotherapy. <i>Journal of Cancer Research and Clinical Oncology</i> , <b>2015</b> , 141, 453-63	4.9	16
91	Epigenetic mechanisms of chronic pain. <i>Trends in Neurosciences</i> , <b>2015</b> , 38, 237-46	13.3	193
90	Identification of coexistence of DNA methylation and H3K27me3 specifically in cancer cells as a promising target for epigenetic therapy. <i>Carcinogenesis</i> , <b>2015</b> , 36, 192-201	4.6	52
89	Integrated analysis of cancer-related pathways affected by genetic and epigenetic alterations in gastric cancer. <i>Gastric Cancer</i> , <b>2015</b> , 18, 65-76	7.6	77
88	Association of gastric cancer risk factors with DNA methylation levels in gastric mucosa of healthy Japanese: a cross-sectional study. <i>Carcinogenesis</i> , <b>2015</b> , 36, 1291-8	4.6	24
87	Frequent involvement of chromatin remodeler alterations in gastric field cancerization. <i>Cancer Letters</i> , <b>2015</b> , 357, 328-338	9.9	39
86	Cancer development based on chronic active gastritis and resulting gastric atrophy as assessed by serum levels of pepsinogen and Helicobacter pylori antibody titer. <i>International Journal of Cancer</i> , <b>2014</b> , 134, 1445-57	7.5	97
85	Compendium of aberrant DNA methylation and histone modifications in cancer. <i>Biochemical and Biophysical Research Communications</i> , <b>2014</b> , 455, 3-9	3.4	43
84	Large-scale characterization of DNA methylation changes in human gastric carcinomas with and without metastasis. <i>Clinical Cancer Research</i> , <b>2014</b> , 20, 4598-612	12.9	64
83	ANGPTL4 is a secreted tumor suppressor that inhibits angiogenesis. <i>Oncogene</i> , <b>2014</b> , 33, 2273-8	9.2	44

82	DNA methylation of microRNA-124a is a potential risk marker of colitis-associated cancer in patients with ulcerative colitis. <i>Digestive Diseases and Sciences</i> , <b>2014</b> , 59, 2444-51	4	37
81	Visualization of multivalent histone modification in a single cell reveals highly concerted epigenetic changes on differentiation of embryonic stem cells. <i>Nucleic Acids Research</i> , <b>2013</b> , 41, 7231-9	20.1	30
80	Interleukin-1 $\beta$ induced by <i>Helicobacter pylori</i> infection enhances mouse gastric carcinogenesis. <i>Cancer Letters</i> , <b>2013</b> , 340, 141-7	9.9	56
79	Altered mucosal DNA methylation in parallel with highly active <i>Helicobacter pylori</i> -related gastritis. <i>Gastric Cancer</i> , <b>2013</b> , 16, 488-97	7.6	21
78	Epigenetic transcriptional activation of monocyte chemotactic protein 3 contributes to long-lasting neuropathic pain. <i>Brain</i> , <b>2013</b> , 136, 828-43	11.2	101
77	Dose-dependent roles for canonical Wnt signalling in de novo crypt formation and cell cycle properties of the colonic epithelium. <i>Development (Cambridge)</i> , <b>2013</b> , 140, 66-75	6.6	54
76	FHL1 on chromosome X is a single-hit gastrointestinal tumor-suppressor gene and contributes to the formation of an epigenetic field defect. <i>Oncogene</i> , <b>2013</b> , 32, 2140-9	9.2	32
75	Prevention of <i>Helicobacter pylori</i> -induced gastric cancers in gerbils by a DNA demethylating agent. <i>Cancer Prevention Research</i> , <b>2013</b> , 6, 263-70	3.2	55
74	Stronger prognostic power of the CpG island methylator phenotype than methylation of individual genes in neuroblastomas. <i>Japanese Journal of Clinical Oncology</i> , <b>2013</b> , 43, 641-5	2.8	9
73	Genome-wide analysis of DNA methylation changes induced by gestational arsenic exposure in liver tumors. <i>Cancer Science</i> , <b>2013</b> , 104, 1575-85	6.9	18
72	Clinical application of the CpG island methylator phenotype to prognostic diagnosis in neuroblastomas. <i>Journal of Human Genetics</i> , <b>2013</b> , 58, 428-33	4.3	14
71	Estimation of the fraction of cancer cells in a tumor DNA sample using DNA methylation. <i>PLoS ONE</i> , <b>2013</b> , 8, e82302	3.7	25
70	Dependence receptor UNC5D mediates nerve growth factor depletion-induced neuroblastoma regression. <i>Journal of Clinical Investigation</i> , <b>2013</b> , 123, 2935-47	15.9	36
69	Induction of aberrant trimethylation of histone H3 lysine 27 by inflammation in mouse colonic epithelial cells. <i>Carcinogenesis</i> , <b>2012</b> , 33, 2384-90	4.6	28
68	Identification of gastric cancer risk markers that are informative in individuals with past <i>H. pylori</i> infection. <i>Gastric Cancer</i> , <b>2012</b> , 15, 382-8	7.6	32
67	Inflammation-induced repression of tumor suppressor miR-7 in gastric tumor cells. <i>Oncogene</i> , <b>2012</b> , 31, 3949-60	9.2	97
66	Development of a novel approach, the epigenome-based outlier approach, to identify tumor-suppressor genes silenced by aberrant DNA methylation. <i>Cancer Letters</i> , <b>2012</b> , 322, 204-12	9.9	29
65	Role of transcriptional and posttranscriptional regulation of methionine adenosyltransferases in liver cancer progression. <i>Hepatology</i> , <b>2012</b> , 56, 165-75	11.2	57

64	Development of gastric cancer in nonatrophic stomach with highly active inflammation identified by serum levels of pepsinogen and Helicobacter pylori antibody together with endoscopic rugal hyperplastic gastritis. <i>International Journal of Cancer</i> , <b>2012</b> , 131, 2632-42	7.5	65
63	Hypomethylation of Alu repetitive elements in esophageal mucosa, and its potential contribution to the epigenetic field for cancerization. <i>Cancer Causes and Control</i> , <b>2012</b> , 23, 865-73	2.8	17
62	Molecular pathways: involvement of Helicobacter pylori-triggered inflammation in the formation of an epigenetic field defect, and its usefulness as cancer risk and exposure markers. <i>Clinical Cancer Research</i> , <b>2012</b> , 18, 923-9	12.9	98
61	Insufficient role of cell proliferation in aberrant DNA methylation induction and involvement of specific types of inflammation. <i>Carcinogenesis</i> , <b>2011</b> , 32, 35-41	4.6	68
60	Effects of genome architecture and epigenetic factors on susceptibility of promoter CpG islands to aberrant DNA methylation induction. <i>Genomics</i> , <b>2011</b> , 98, 182-8	4.3	13
59	Methylation silencing of angiopoietin-like 4 in rat and human mammary carcinomas. <i>Cancer Science</i> , <b>2011</b> , 102, 1337-43	6.9	17
58	Identification and validation of DNA methylation markers to predict lymph node metastasis of esophageal squamous cell carcinomas. <i>Annals of Surgical Oncology</i> , <b>2011</b> , 18, 1185-94	3.1	19
57	A 5Tregion polymorphism modulates promoter activity of the tumor suppressor gene MFS2A. <i>Molecular Cancer</i> , <b>2011</b> , 10, 81	42.1	8
56	Alu and SatIhypomethylation in Helicobacter pylori-infected gastric mucosae. <i>International Journal of Cancer</i> , <b>2011</b> , 128, 33-9	7.5	51
55	Revisit of field cancerization in squamous cell carcinoma of upper aerodigestive tract: better risk assessment with epigenetic markers. <i>Cancer Prevention Research</i> , <b>2011</b> , 4, 1982-92	3.2	44
54	Aberrant DNA methylation in contrast with mutations. <i>Cancer Science</i> , <b>2010</b> , 101, 300-5	6.9	81
53	Methylation destiny: Moira takes account of histones and RNA polymerase II. <i>Epigenetics</i> , <b>2010</b> , 5, 89-95	5.7	21
52	Inflammatory processes triggered by Helicobacter pylori infection cause aberrant DNA methylation in gastric epithelial cells. <i>Cancer Research</i> , <b>2010</b> , 70, 1430-40	10.1	305
51	Persistence of a component of DNA methylation in gastric mucosae after Helicobacter pylori eradication. <i>Journal of Gastroenterology</i> , <b>2010</b> , 45, 37-44	6.9	96
50	The presence of a methylation fingerprint of Helicobacter pylori infection in human gastric mucosae. <i>International Journal of Cancer</i> , <b>2009</b> , 124, 905-10	7.5	93
49	DNA methylation of microRNA genes in gastric mucosae of gastric cancer patients: its possible involvement in the formation of epigenetic field defect. <i>International Journal of Cancer</i> , <b>2009</b> , 124, 2367-74	7.5	230
48	The presence of aberrant DNA methylation in noncancerous esophageal mucosae in association with smoking history: a target for risk diagnosis and prevention of esophageal cancers. <i>Cancer</i> , <b>2009</b> , 115, 3412-26	6.4	109
47	Adenomatous polyposis coli 1A is likely to be methylated as a passenger in human gastric carcinogenesis. <i>Cancer Letters</i> , <b>2009</b> , 285, 182-9	9.9	36

46	Association between frequent CpG island methylation and HER2 amplification in human breast cancers. <i>Carcinogenesis</i> , <b>2009</b> , 30, 466-71	4.6	23
45	Increased H-ras mutation frequency in mammary tumors of rats initiated with N-methyl-N-nitrosourea (MNU) and treated with acrylamide. <i>Journal of Toxicological Sciences</i> , <b>2009</b> , 34, 407-12	1.9	3
44	Development of a novel output value for quantitative assessment in methylated DNA immunoprecipitation-CpG island microarray analysis. <i>DNA Research</i> , <b>2009</b> , 16, 275-86	4.5	33
43	Overexpression of PIK3CA is associated with lymph node metastasis in esophageal squamous cell carcinoma. <i>International Journal of Oncology</i> , <b>2009</b> , 34, 767-75	1	42
42	Exclusive KRAS mutation in microsatellite-unstable human colorectal carcinomas with sequence alterations in the DNA mismatch repair gene, MLH1. <i>Gene</i> , <b>2008</b> , 423, 188-93	3.8	10
41	Gene expression profiling distinguishes between spontaneous and radiation-induced rat mammary carcinomas. <i>Journal of Radiation Research</i> , <b>2008</b> , 49, 349-60	2.4	16
40	Identification of genes targeted by CpG island methylator phenotype in neuroblastomas, and their possible integrative involvement in poor prognosis. <i>Oncology</i> , <b>2008</b> , 74, 50-60	3.6	45
39	Methylation silencing of transforming growth factor-beta receptor type II in rat prostate cancers. <i>Cancer Research</i> , <b>2008</b> , 68, 2112-21	10.1	43
38	Silencing of tissue factor pathway inhibitor-2 gene in malignant melanomas. <i>International Journal of Cancer</i> , <b>2007</b> , 121, 301-7	7.5	48
37	Lack of association between CpG island methylator phenotype in human gastric cancers and methylation in their background non-cancerous gastric mucosae. <i>Cancer Science</i> , <b>2007</b> , 98, 1853-61	6.9	51
36	Marked and independent prognostic significance of the CpG island methylator phenotype in neuroblastomas. <i>Cancer Letters</i> , <b>2007</b> , 247, 253-8	9.9	41
35	Identification of PRTFDC1 silencing and aberrant promoter methylation of GPR150, ITGA8 and HOXD11 in ovarian cancers. <i>Life Sciences</i> , <b>2007</b> , 80, 1458-65	6.8	26
34	Epigenetic field for cancerization. <i>BMB Reports</i> , <b>2007</b> , 40, 142-50	5.5	155
33	Silencing of the UCHL1 gene in human colorectal and ovarian cancers. <i>International Journal of Cancer</i> , <b>2006</b> , 119, 1338-44	7.5	83
32	Silencing of Peroxiredoxin 2 and aberrant methylation of 33 CpG islands in putative promoter regions in human malignant melanomas. <i>Cancer Research</i> , <b>2006</b> , 66, 6080-6	10.1	146
31	Methylation of multiple genes in gastric glands with intestinal metaplasia: A disorder with polyclonal origins. <i>American Journal of Pathology</i> , <b>2006</b> , 169, 1643-51	5.8	23
30	Methylation and expression analysis of 15 genes and three normally-methylated genes in 13 Ovarian cancer cell lines. <i>Cancer Letters</i> , <b>2006</b> , 241, 213-20	9.9	38
29	Chemical genomic screening for methylation-silenced genes in gastric cancer cell lines using 5-aza-2'deoxycytidine treatment and oligonucleotide microarray. <i>Cancer Science</i> , <b>2006</b> , 97, 64-71	6.9	208



28	Genome-wide profiling of promoter methylation in human. <i>Oncogene</i> , <b>2006</b> , 25, 3059-64	9.2	121
27	High levels of aberrant DNA methylation in <i>Helicobacter pylori</i> -infected gastric mucosae and its possible association with gastric cancer risk. <i>Clinical Cancer Research</i> , <b>2006</b> , 12, 989-95	12.9	517
26	Aberrant methylations in cancer cells: where do they come from?. <i>Cancer Science</i> , <b>2005</b> , 96, 206-11	6.9	155
25	Whole-genome analyses of loss of heterozygosity and methylation analysis of four tumor-suppressor genes in N-methyl-N-nitro-N-nitrosoguanidine-induced rat stomach carcinomas. <i>Cancer Science</i> , <b>2005</b> , 96, 409-13	6.9	23
24	Detection and interpretation of altered methylation patterns in cancer cells. <i>Nature Reviews Cancer</i> , <b>2005</b> , 5, 223-31	31.3	392
23	Identification of 20 genes aberrantly methylated in human breast cancers. <i>International Journal of Cancer</i> , <b>2005</b> , 116, 407-14	7.5	119
22	Diagnostic and therapeutic applications of epigenetics. <i>Japanese Journal of Clinical Oncology</i> , <b>2005</b> , 35, 293-301	2.8	108
21	Sparse and wavy hair: a new model for hypoplasia of hair follicle and mammary glands on rat chromosome 17. <i>Journal of Heredity</i> , <b>2005</b> , 96, 339-45	2.4	3
20	Expression quantitative trait loci analysis of 13 genes in the rat prostate. <i>Genetics</i> , <b>2005</b> , 171, 1231-8	4	28
19	Linkage and microarray analyses of susceptibility genes in ACI/Seg rats: a model for prostate cancers in the aged. <i>Cancer Research</i> , <b>2005</b> , 65, 2610-6	10.1	20
18	No-observed effect levels for carcinogenicity and for in vivo mutagenicity of a genotoxic carcinogen. <i>Toxicological Sciences</i> , <b>2004</b> , 81, 273-9	4.4	44
17	Frequent hypomethylation in multiple promoter CpG islands is associated with global hypomethylation, but not with frequent promoter hypermethylation. <i>Cancer Science</i> , <b>2004</b> , 95, 58-64	6.9	109
16	Promoter methylation profiling of 30 genes in human malignant melanoma. <i>Cancer Science</i> , <b>2004</b> , 95, 962-8	6.9	88
15	Methylation-associated silencing of the Wnt antagonist SFRP1 gene in human ovarian cancers. <i>Cancer Science</i> , <b>2004</b> , 95, 741-4	6.9	82
14	Identification of 27 5TCpG islands aberrantly methylated and 13 genes silenced in human pancreatic cancers. <i>Oncogene</i> , <b>2004</b> , 23, 8705-10	9.2	96
13	Persistence of gene expression changes in stomach mucosae induced by short-term N-methyl-N-nitro-N-nitrosoguanidine treatment and their presence in stomach cancers. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , <b>2004</b> , 549, 185-93	3.3	15
12	Establishment of a detection system for demethylating agents using an endogenous promoter CpG island. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , <b>2004</b> , 568, 187-94	3.3	11
11	Focus on gastric cancer. <i>Cancer Cell</i> , <b>2004</b> , 5, 121-5	24.3	235

10	Decreased expression of the seven ARP2/3 complex genes in human gastric cancers. <i>Cancer Letters</i> , <b>2004</b> , 212, 203-10	9.9	63
9	Fidelity of the methylation pattern and its variation in the genome. <i>Genome Research</i> , <b>2003</b> , 13, 868-74	9.7	125
8	Differential expression of genes related to levels of mucosal cell proliferation among multiple rat strains by using oligonucleotide microarrays. <i>Mammalian Genome</i> , <b>2003</b> , 14, 845-52	3.2	6
7	Down-regulated expression of prostaticin in high-grade or hormone-refractory human prostate cancers. <i>Prostate</i> , <b>2003</b> , 54, 187-93	4.2	45
6	Methylation-sensitive representational difference analysis and its application to cancer research. <i>Annals of the New York Academy of Sciences</i> , <b>2003</b> , 983, 131-41	6.5	44
5	Global expression analysis of N-methyl-N-nitro-N-nitrosoguanidine-induced rat stomach carcinomas using oligonucleotide microarrays. <i>Carcinogenesis</i> , <b>2003</b> , 24, 861-7	4.6	32
4	Reduced expression of the insulin-induced protein 1 and p41 Arp2/3 complex genes in human gastric cancers. <i>International Journal of Cancer</i> , <b>2002</b> , 100, 57-62	7.5	39
3	Cloning of the 5'upstream region of the rat p16 gene and its role in silencing. <i>Japanese Journal of Cancer Research</i> , <b>2002</b> , 93, 1100-6		22
2	The absence of Mth1 inactivation and DNA polymerase kappa overexpression in rat mammary carcinomas with frequent A:T to C:G transversions. <i>Japanese Journal of Cancer Research</i> , <b>2002</b> , 93, 501-6		9
1	Promoter hypermethylation and post-transcriptional mechanisms for reduced BRCA1 immunoreactivity in sporadic human breast cancers. <i>Japanese Journal of Clinical Oncology</i> , <b>2002</b> , 32, 79-84 <sup>8</sup>		37