Jean-Pierre J Issa

List of Publications by Citations

323 papers	39,831 citations	104 h-index	194 g-index
345 ext. papers	43,628 ext. citations	9.1 avg, IF	7.3 L-index

#	Paper	IF	Citations
323	CpG island methylator phenotype in colorectal cancer. *Proceedings of the National Academy of Sciences of the United States of America*, **1999**, 96, 8681-6	11.5	1985
322	Incidence and functional consequences of hMLH1 promoter hypermethylation in colorectal carcinoma. *Proceedings of the National Academy of Sciences of the United States of America*, **1998**, 95, 6870-5	11.5	1541
321	Alterations in DNA Methylation: A Fundamental Aspect of Neoplasia. *Advances in Cancer Research*, **1997**, 141-196	5.9	1277
320	Decitabine improves patient outcomes in myelodysplastic syndromes: results of a phase III randomized study. *Cancer*, **2006**, 106, 1794-803	6.4	1228
319	Methylation of the oestrogen receptor CpG island links ageing and neoplasia in human colon. *Nature Genetics*, **1994**, 7, 536-40	36.3	1005
318	CpG island methylator phenotype in cancer. *Nature Reviews Cancer*, **2004**, 4, 988-93	31.3	870
317	A simple method for estimating global DNA methylation using bisulfite PCR of repetitive DNA elements. *Nucleic Acids Research*, **2004**, 32, e38	20.1	791
316	Dnmt3a is essential for hematopoietic stem cell differentiation. *Nature Genetics*, **2011**, 44, 23-31	36.3	737
315	Phase 1 study of low-dose prolonged exposure schedules of the hypomethylating agent 5-aza-2Œdeoxycytidine (decitabine) in hematopoietic malignancies. *Blood*, **2004**, 103, 1635-40	2.2	694
314	Targeting the cancer epigenome for therapy. *Nature Reviews Genetics*, **2016**, 17, 630-41	30.1	649
313	Results of a randomized study of 3 schedules of low-dose decitabine in higher-risk myelodysplastic syndrome and chronic myelomonocytic leukemia. *Blood*, **2007**, 109, 52-7	2.2	577
312	Gene silencing in cancer by histone H3 lysine 27 trimethylation independent of promoter DNA methylation. *Nature Genetics*, **2008**, 40, 741-50	36.3	520
311	Transient low doses of DNA-demethylating agents exert durable antitumor effects on hematological and epithelial tumor cells. *Cancer Cell*, **2012**, 21, 430-46	24.3	469
310	Integrated genetic and epigenetic analysis identifies three different subclasses of colon cancer. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 18654-9	11.5	446
309	Phase 1/2 study of the combination of 5-aza-2Œdeoxycytidine with valproic acid in patients with leukemia. *Blood*, **2006**, 108, 3271-9	2.2	441
308	Phase II Pilot Study of Vemurafenib in Patients With Metastatic BRAF-Mutated Colorectal Cancer. *Journal of Clinical Oncology*, **2015**, 33, 4032-8	2.2	424
307	MGMT promoter methylation and field defect in sporadic colorectal cancer. *Journal of the National Cancer Institute*, **2005**, 97, 1330-8	9.7	399

306	Integrative genomic characterization of oral squamous cell carcinoma identifies frequent somatic drivers. *Cancer Discovery*, **2013**, 3, 770-81	24.4	391
305	Widespread and tissue specific age-related DNA methylation changes in mice. *Genome Research*, **2010**, 20, 332-40	9.7	391
304	Proposal for a new risk model in myelodysplastic syndrome that accounts for events not considered in the original International Prognostic Scoring System. *Cancer*, **2008**, 113, 1351-61	6.4	386
303	Distinct genetic profiles in colorectal tumors with or without the CpG island methylator phenotype. *Proceedings of the National Academy of Sciences of the United States of America*, **2000**, 97, 710-5	11.5	378
302	p53 activates expression of HIC-1, a new candidate tumour suppressor gene on 17p13.3. *Nature Medicine*, **1995**, 1, 570-7	50.5	376
301	Methylation of the estrogen receptor gene is associated with aging and atherosclerosis in the cardiovascular system. *Cardiovascular Research*, **1999**, 43, 985-91	9.9	363
300	Safety and clinical activity of the combination of 5-azacytidine, valproic acid, and all-trans retinoic acid in acute myeloid leukemia and myelodysplastic syndrome. *Blood*, **2007**, 110, 2302-8	2.2	347
299	Cancer epigenetics. *Ca-A Cancer Journal for Clinicians*, **2010**, 60, 376-92	220.7	330
298	Targeting DNA methylation. *Clinical Cancer Research*, **2009**, 15, 3938-46	12.9	328
297	Epidermal growth factor receptor copy number alterations correlate with poor clinical outcome in patients with head and neck squamous cancer. *Journal of Clinical Oncology*, **2007**, 25, 2164-70	2.2	314
296	JAK2 mutation 1849G>T is rare in acute leukemias but can be found in CMML, Philadelphia chromosome-negative CML, and megakaryocytic leukemia. *Blood*, **2005**, 106, 3370-3	2.2	312
295	Changes in DNA methylation in neoplasia: pathophysiology and therapeutic implications. *Annals of Internal Medicine*, **2001**, 134, 573-86	8	309
294	Critical role of histone methylation in tumor suppressor gene silencing in colorectal cancer. *Molecular and Cellular Biology*, **2003**, 23, 206-15	4.8	302
293	Fusobacterium in colonic flora and molecular features of colorectal carcinoma. *Cancer Research*, **2014**, 74, 1311-8	10.1	289
292	DNA methylation predicts survival and response to therapy in patients with myelodysplastic syndromes. *Journal of Clinical Oncology*, **2010**, 28, 605-13	2.2	285
291	Lack of PTEN expression in non-small cell lung cancer could be related to promoter methylation. *Clinical Cancer Research*, **2002**, 8, 1178-84	12.9	278
290	Genome-wide profiling of DNA methylation reveals a class of normally methylated CpG island promoters. *PLoS Genetics*, **2007**, 3, 2023-36	6	277
289	Methylation profiling in acute myeloid leukemia. *Blood*, **2001**, 97, 2823-9	2.2	274

288	Phase II study of low-dose decitabine in patients with chronic myelogenous leukemia resistant to imatinib mesylate. *Journal of Clinical Oncology*, **2005**, 23, 3948-56	2.2	259
287	Aging and epigenetic drift: a vicious cycle. *Journal of Clinical Investigation*, **2014**, 124, 24-9	15.9	257
286	DNA methylation aging clocks: challenges and recommendations. *Genome Biology*, **2019**, 20, 249	18.3	248
285	Epigenetic changes in colorectal cancer. *Cancer and Metastasis Reviews*, **2004**, 23, 29-39	9.6	243
284	SLC5A8, a sodium transporter, is a tumor suppressor gene silenced by methylation in human colon aberrant crypt foci and cancers. *Proceedings of the National Academy of Sciences of the United States of America*, **2003**, 100, 8412-7	11.5	243
283	DNA methylation as a therapeutic target in cancer. *Clinical Cancer Research*, **2007**, 13, 1634-7	12.9	237
282	DNA methylation changes after 5-aza-2Œdeoxycytidine therapy in patients with leukemia. *Cancer Research*, **2006**, 66, 5495-503	10.1	231
281	Expression of an exogenous eukaryotic DNA methyltransferase gene induces transformation of NIH 3T3 cells. *Proceedings of the National Academy of Sciences of the United States of America*, **1993**, 90, 8891-5	11.5	225
280	CpG island methylator phenotypes in aging and cancer. *Seminars in Cancer Biology*, **1999**, 9, 349-57	12.7	219
279	Switch from monoallelic to biallelic human IGF2 promoter methylation during aging and carcinogenesis. *Proceedings of the National Academy of Sciences of the United States of America*, **1996**, 93, 11757-62	11.5	219
278	Increased cytosine DNA-methyltransferase activity is target-cell-specific and an early event in lung cancer. *Proceedings of the National Academy of Sciences of the United States of America*, **1996**, 93, 4045-50	11.5	217
277	Safety and tolerability of guadecitabine (SGI-110) in patients with myelodysplastic syndrome and acute myeloid leukaemia: a multicentre, randomised, dose-escalation phase 1 study. *Lancet Oncology, The*, **2015**, 16, 1099-1110	21.7	216
276	Mutations in CBL occur frequently in juvenile myelomonocytic leukemia. *Blood*, **2009**, 114, 1859-63	2.2	212
275	DNA methylation and environmental exposures in human hepatocellular carcinoma. *Journal of the National Cancer Institute*, **2002**, 94, 755-61	9.7	204
274	LINE-1 hypomethylation in cancer is highly variable and inversely correlated with microsatellite instability. *PLoS ONE*, **2007**, 2, e399	3.7	202
273	Results of decitabine (5-aza-2Œdeoxycytidine) therapy in 130 patients with chronic myelogenous leukemia. *Cancer*, **2003**, 98, 522-8	6.4	200
272	Outcome of patients with myelodysplastic syndrome after failure of decitabine therapy. *Cancer*, **2010**, 116, 3830-4	6.4	195
271	Downregulation of histone H3 lysine 9 methyltransferase G9a induces centrosome disruption and chromosome instability in cancer cells. *PLoS ONE*, **2008**, 3, e2037	3.7	195

270	Mechanisms of resistance to 5-aza-2-deoxycytidine in human cancer cell lines. *Blood*, **2009**, 113, 659-67	2.2	190
269	CpG island methylation in aberrant crypt foci of the colorectum. *American Journal of Pathology*, **2002**, 160, 1823-30	5.8	187
268	Inhibition of DNA methylation and histone deacetylation prevents murine lung cancer. *Cancer Research*, **2003**, 63, 7089-93	10.1	185
267	Age-related DNA methylation changes in normal human prostate tissues. *Clinical Cancer Research*, **2007**, 13, 3796-802	12.9	182
266	CpG island methylation in colorectal adenomas. *American Journal of Pathology*, **2001**, 159, 1129-35	5.8	181
265	Epigenetic inactivation of CHFR in human tumors. *Proceedings of the National Academy of Sciences of the United States of America*, **2003**, 100, 7818-23	11.5	171
264	Alterations of DNA methylation and histone modifications contribute to gene silencing in hepatocellular carcinomas. *Hepatology Research*, **2007**, 37, 974-83	5.1	168
263	Chromosome 5q deletion and epigenetic suppression of the gene encoding alpha-catenin (CTNNA1) in myeloid cell transformation. *Nature Medicine*, **2007**, 13, 78-83	50.5	164
262	Concordant CpG island methylation in hyperplastic polyposis. *American Journal of Pathology*, **2002**, 160, 529-36	5.8	160
261	Survival advantage with decitabine versus intensive chemotherapy in patients with higher risk myelodysplastic syndrome: comparison with historical experience. *Cancer*, **2007**, 109, 1133-7	6.4	158
260	Age-related epigenetic changes and the immune system. *Clinical Immunology*, **2003**, 109, 103-8	9	155
259	Aging, DNA methylation and cancer. *Critical Reviews in Oncology/Hematology*, **1999**, 32, 31-43	7	154
258	Association between DNA methylation and shortened survival in patients with advanced colorectal cancer treated with 5-fluorouracil based chemotherapy. *Clinical Cancer Research*, **2007**, 13, 6093-8	12.9	153
257	Caloric restriction delays age-related methylation drift. *Nature Communications*, **2017**, 8, 539	17.4	146
256	Evolution of decitabine development: accomplishments, ongoing investigations, and future strategies. *Cancer*, **2008**, 112, 2341-51	6.4	143
255	Methylation and silencing of the Thrombospondin-1 promoter in human cancer. *Oncogene*, **1999**, 18, 3284-9	9.2	142
254	Infection with human immunodeficiency virus type 1 upregulates DNA methyltransferase, resulting in de novo methylation of the gamma interferon (IFN-gamma) promoter and subsequent downregulation of IFN-gamma production. *Molecular and Cellular Biology*, **1998**, 18, 5166-77	4.8	139
253	High-throughput methylation profiling by MCA coupled to CpG island microarray. *Genome Research*, **2007**, 17, 1529-36	9.7	137

252	DNA methylation of multiple promoter-associated CpG islands in adult acute lymphocytic leukemia. *Clinical Cancer Research*, **2002**, 8, 2217-24	12.9	137
251	Histone deacetylase inhibition elicits an evolutionarily conserved self-renewal program in embryonic stem cells. *Cell Stem Cell*, **2009**, 4, 359-69	18	136
250	Chromatin immunoprecipitation microarrays for identification of genes silenced by histone H3 lysine 9 methylation. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 7398-403	11.5	136
249	Decitabine--bedside to bench. *Critical Reviews in Oncology/Hematology*, **2007**, 61, 140-52	7	134
248	Histone deacetylase inhibitors as anti-neoplastic agents. *Cancer Letters*, **2009**, 280, 192-200	9.9	133
247	Histone deacetylase inhibitor activity in royal jelly might facilitate caste switching in bees. *EMBO Reports*, **2011**, 12, 238-43	6.5	132
246	Genome-wide identification of aberrantly methylated promoter associated CpG islands in acute lymphocytic leukemia. *Leukemia*, **2008**, 22, 1529-38	10.7	132
245	Imprinted tumor suppressor genes ARHI and PEG3 are the most frequently down-regulated in human ovarian cancers by loss of heterozygosity and promoter methylation. *Cancer*, **2008**, 112, 1489-502	6.4	130
244	Epigenetic changes in estrogen receptor beta gene in atherosclerotic cardiovascular tissues and in-vitro vascular senescence. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2007**, 1772, 72-80	6.9	128
243	HLTF gene silencing in human colon cancer. *Proceedings of the National Academy of Sciences of the United States of America*, **2002**, 99, 4562-7	11.5	127
242	DNA methylation predicts recurrence from resected stage III proximal colon cancer. *Cancer*, **2011**, 117, 1847-54	6.4	126
241	Aberrant CpG island methylation in acute myeloid leukemia is accentuated at relapse. *Blood*, **2008**, 112, 1366-73	2.2	124
240	Global DNA hypomethylation (LINE-1) in the normal colon and lifestyle characteristics and dietary and genetic factors. *Cancer Epidemiology Biomarkers and Prevention*, **2009**, 18, 1041-9	4	123
239	Phase I trial of sequential low-dose 5-aza-2Ꝺdeoxycytidine plus high-dose intravenous bolus interleukin-2 in patients with melanoma or renal cell carcinoma. *Clinical Cancer Research*, **2006**, 12, 4619-27	12.9	120
238	Hypomethylation of LINE-1 and Alu in well-differentiated neuroendocrine tumors (pancreatic endocrine tumors and carcinoid tumors). *Modern Pathology*, **2007**, 20, 802-10	9.8	119
237	Differential methylation status of tumor-associated genes in head and neck squamous carcinoma: incidence and potential implications. *Clinical Cancer Research*, **2004**, 10, 3825-30	12.9	119
236	G9a is essential for epigenetic silencing of K(+) channel genes in acute-to-chronic pain transition. *Nature Neuroscience*, **2015**, 18, 1746-55	25.5	116
235	The Ras effector RASSF2 is a novel tumor-suppressor gene in human colorectal cancer. *Gastroenterology*, **2005**, 129, 156-69	13.3	116

234	Phase II study of low-dose decitabine in combination with imatinib mesylate in patients with accelerated or myeloid blastic phase of chronic myelogenous leukemia. *Cancer*, **2007**, 109, 899-906	6.4	115
233	CpG island methylation in carcinoid and pancreatic endocrine tumors. *Oncogene*, **2003**, 22, 924-34	9.2	114
232	Aberrant DNA methylation of p57KIP2 identifies a cell-cycle regulatory pathway with prognostic impact in adult acute lymphocytic leukemia. *Blood*, **2003**, 101, 4131-6	2.2	113
231	Correlation between CpG methylation profiles and hormone receptor status in breast cancers. *Breast Cancer Research*, **2007**, 9, R57	8.3	112
230	Hypermethylation of the retinoic acid receptor-beta(2) gene in head and neck carcinogenesis. *Clinical Cancer Research*, **2004**, 10, 1733-42	12.9	111
229	Azacitidine. *Nature Reviews Drug Discovery*, **2005**, 4, 275-6	64.1	109
228	Inactivation of p57KIP2 by regional promoter hypermethylation and histone deacetylation in human tumors. *Oncogene*, **2002**, 21, 2741-9	9.2	108
227	Guadecitabine (SGI-110) in treatment-naive patients with acute myeloid leukaemia: phase 2 results from a multicentre, randomised, phase 1/2 trial. *Lancet Oncology, The*, **2017**, 18, 1317-1326	21.7	106
226	Variable DNA methylation patterns associated with progression of disease in hepatocellular carcinomas. *Carcinogenesis*, **2008**, 29, 1901-10	4.6	106
225	Colon cancer: it's CIN or CIMP. *Clinical Cancer Research*, **2008**, 14, 5939-40	12.9	106
224	Optimizing annealing temperature overcomes bias in bisulfite PCR methylation analysis. *BioTechniques*, **2007**, 42, 48, 50, 52 passim	2.5	106
223	In Support of a Patient-Driven Initiative and Petition to Lower the High Price of Cancer Drugs. *Mayo Clinic Proceedings*, **2015**, 90, 996-1000	6.4	105
222	Epigenetic profiles distinguish malignant pleural mesothelioma from lung adenocarcinoma. *Cancer Research*, **2009**, 69, 9073-82	10.1	105
221	Detection of bladder cancer using novel DNA methylation biomarkers in urine sediments. *Cancer Epidemiology Biomarkers and Prevention*, **2011**, 20, 1483-91	4	104
220	BRAF mutations in aberrant crypt foci and hyperplastic polyposis. *American Journal of Pathology*, **2005**, 166, 1069-75	5.8	104
219	Mechanisms of resistance to decitabine in the myelodysplastic syndrome. *PLoS ONE*, **2011**, 6, e23372	3.7	103
218	Effects of TET2 mutations on DNA methylation in chronic myelomonocytic leukemia. *Epigenetics*, **2012**, 7, 201-7	5.7	103
217	Epigenetic changes in solid and hematopoietic tumors. *Seminars in Oncology*, **2005**, 32, 521-30	5.5	103

216	Association between folate levels and CpG Island hypermethylation in normal colorectal mucosa. *Cancer Prevention Research*, **2010**, 3, 1552-64	3.2	102
215	Decitabine effect on tumor global DNA methylation and other parameters in a phase I trial in refractory solid tumors and lymphomas. *Clinical Cancer Research*, **2009**, 15, 3881-8	12.9	102
214	Targeting CDK9 Reactivates Epigenetically Silenced Genes in Cancer. *Cell*, **2018**, 175, 1244-1258.e26	56.2	102
213	DNA methylation does not stably lock gene expression but instead serves as a molecular mark for gene silencing memory. *Cancer Research*, **2012**, 72, 1170-81	10.1	101
212	Sensitive and specific detection of early gastric cancer with DNA methylation analysis of gastric washes. *Gastroenterology*, **2009**, 136, 2149-58	13.3	101
211	A phase 1 clinical trial of vorinostat in combination with decitabine in patients with acute myeloid leukaemia or myelodysplastic syndrome. *British Journal of Haematology*, **2014**, 167, 185-93	4.5	100
210	The promise of epigenetic therapy: reprogramming the cancer epigenome. *Current Opinion in Genetics and Development*, **2017**, 42, 68-77	4.9	99
209	Results of phase 2 randomized study of low-dose decitabine with or without valproic acid in patients with myelodysplastic syndrome and acute myelogenous leukemia. *Cancer*, **2015**, 121, 556-61	6.4	99
208	Identification of differentially methylated genes in normal prostate tissues from African American and Caucasian men. *Clinical Cancer Research*, **2010**, 16, 3539-47	12.9	97
207	Effect of cytarabine and decitabine in combination in human leukemic cell lines. *Clinical Cancer Research*, **2007**, 13, 4225-32	12.9	97
206	Identification of novel tumor markers in prostate, colon and breast cancer by unbiased methylation profiling. *PLoS ONE*, **2008**, 3, e2079	3.7	97
205	Drug sensitivity prediction by CpG island methylation profile in the NCI-60 cancer cell line panel. *Cancer Research*, **2007**, 67, 11335-43	10.1	96
204	Enrichment for histone H3 lysine 9 methylation at Alu repeats in human cells. *Journal of Biological Chemistry*, **2003**, 278, 27658-62	5.4	96
203	Epigenetic silencing of microRNA-203 is required for EMT and cancer stem cell properties. *Scientific Reports*, **2013**, 3, 2687	4.9	94
202	Update of the decitabine experience in higher risk myelodysplastic syndrome and analysis of prognostic factors associated with outcome. *Cancer*, **2007**, 109, 265-73	6.4	94
201	Methylation of the estrogen receptor-alpha gene promoter is selectively increased in proliferating human aortic smooth muscle cells. *Cardiovascular Research*, **2000**, 46, 172-9	9.9	94
200	Diet, Nutrition, and Cancer Epigenetics. *Annual Review of Nutrition*, **2016**, 36, 665-81	9.9	94
199	Myelodysplastic syndromes. *Hematology American Society of Hematology Education Program*, **2004**, 2004, 297-317	3.1	93

198	Epigenetic variation and human disease. *Journal of Nutrition*, **2002**, 132, 2388S-2392S	4.1	93
197	Activity of decitabine in patients with myelodysplastic syndrome previously treated with azacitidine. *Leukemia and Lymphoma*, **2008**, 49, 690-5	1.9	92
196	TET1 is a maintenance DNA demethylase that prevents methylation spreading in differentiated cells. *Nucleic Acids Research*, **2014**, 42, 6956-71	20.1	90
195	Decitabine and its role in the treatment of hematopoietic malignancies. *Leukemia and Lymphoma*, **2007**, 48, 1472-81	1.9	88
194	Epigenetic-genetic interactions in the APC/WNT, RAS/RAF, and P53 pathways in colorectal carcinoma. *Clinical Cancer Research*, **2008**, 14, 2560-9	12.9	86
193	Imatinib mesylate for Philadelphia chromosome-positive, chronic-phase myeloid leukemia after failure of interferon-alpha: follow-up results. *Clinical Cancer Research*, **2002**, 8, 2177-87	12.9	84
192	Aberrant DNA methylation is associated with disease progression, resistance to imatinib and shortened survival in chronic myelogenous leukemia. *PLoS ONE*, **2011**, 6, e22110	3.7	83
191	Superior outcome with hypomethylating therapy in patients with acute myeloid leukemia and high-risk myelodysplastic syndrome and chromosome 5 and 7 abnormalities. *Cancer*, **2009**, 115, 5746-51	6.4	83
190	A parallel phase I/II clinical trial design for combination therapies. *Biometrics*, **2007**, 63, 429-36	1.8	82
189	IGFBP7 is a p53-responsive gene specifically silenced in colorectal cancer with CpG island methylator phenotype. *Carcinogenesis*, **2010**, 31, 342-9	4.6	81
188	Silencing of bidirectional promoters by DNA methylation in tumorigenesis. *Cancer Research*, **2006**, 66, 5077-84	10.1	81
187	Histone deacetylase inhibitors: a review of their clinical status as antineoplastic agents. *Cancer Investigation*, **2005**, 23, 635-42	2.1	81
186	The epigenetics of colorectal cancer. *Annals of the New York Academy of Sciences*, **2000**, 910, 140-53; discussion 153-5	6.5	81
185	Hepatitis virus infection affects DNA methylation in mice with humanized livers. *Gastroenterology*, **2014**, 146, 562-72	13.3	80
184	Epigenetic changes in the myelodysplastic syndrome. *Hematology/Oncology Clinics of North America* , **2010**, 24, 317-30	3.1	80
183	CpG island methylation profiling in human melanoma cell lines. *Melanoma Research*, **2009**, 19, 146-55	3.3	79
182	P14 methylation in human colon cancer is associated with microsatellite instability and wild-type p53. *Gastroenterology*, **2003**, 124, 626-33	13.3	79
181	Accurate detection of uniparental disomy and microdeletions by SNP array analysis in myelodysplastic syndromes with normal cytogenetics. *Leukemia*, **2009**, 23, 1605-13	10.7	77

180	Rare CpG island methylator phenotype in ulcerative colitis-associated neoplasias. *Gastroenterology*, **2007**, 132, 1254-60	13.3	77
179	Hypermethylation and silencing of the putative tumor suppressor Tazarotene-induced gene 1 in human cancers. *Cancer Research*, **2004**, 64, 2411-7	10.1	77
178	Comparison of epigenetic and genetic alterations in mucinous cystic neoplasm and serous microcystic adenoma of pancreas. *Modern Pathology*, **2003**, 16, 1086-94	9.8	75
177	Aberrant DNA methylation associated with silencing BNIP3 gene expression in haematopoietic tumours. *British Journal of Cancer*, **2005**, 92, 1165-72	8.7	75
176	Therapeutic advances in leukemia and myelodysplastic syndrome over the past 40 years. *Cancer*, **2008**, 113, 1933-52	6.4	74
175	Genome architecture marked by retrotransposons modulates predisposition to DNA methylation in cancer. *Genome Research*, **2010**, 20, 1369-82	9.7	72
174	Treatment of philadelphia chromosome-positive, accelerated-phase chronic myelogenous leukemia with imatinib mesylate. *Clinical Cancer Research*, **2002**, 8, 2167-76	12.9	72
173	DNA Hypomethylating Drugs in Cancer Therapy. *Cold Spring Harbor Perspectives in Medicine*, **2017**, 7,	5.4	69
172	Chromatin regulator PRC2 is a key regulator of epigenetic plasticity in glioblastoma. *Cancer Research*, **2013**, 73, 4559-70	10.1	69
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170	Epigenetic regulation of ARHI in breast and ovarian cancer cells. *Annals of the New York Academy of Sciences*, **2003**, 983, 268-77	6.5	69
169	Targeting Calcium Signaling Induces Epigenetic Reactivation of Tumor Suppressor Genes in Cancer. *Cancer Research*, **2016**, 76, 1494-505	10.1	68
168	Optimizing therapy with methylation inhibitors in myelodysplastic syndromes: dose, duration, and patient selection. *Nature Clinical Practice Oncology*, **2005**, 2 Suppl 1, S24-9		68
167	TET2 Mutations Affect Non-CpG Island DNA Methylation at Enhancers and Transcription Factor-Binding Sites in Chronic Myelomonocytic Leukemia. *Cancer Research*, **2015**, 75, 2833-43	10.1	67
166	Decitabine. *Current Opinion in Oncology*, **2003**, 15, 446-51	4.2	67
165	Concordant methylation of the ER and N33 genes in glioblastoma multiforme. *Oncogene*, **1998**, 16, 3197-202	9.2	65
164	Methylation of the ABL1 Promoter in Chronic Myelogenous Leukemia: Lack of Prognostic Significance. *Blood*, **1999**, 93, 2075-2080	2.2	65
163	Association of the CpG island methylator phenotype with family history of cancer in patients with colorectal cancer. *Cancer Research*, **2003**, 63, 4805-8	10.1	65

162	Aging-like Spontaneous Epigenetic Silencing Facilitates Wnt Activation, Stemness, and Braf-Induced Tumorigenesis. *Cancer Cell*, **2019**, 35, 315-328.e6	24.3	64
161	Epigenetic reprogramming of HOXC10 in endocrine-resistant breast cancer. *Science Translational Medicine*, **2014**, 6, 229ra41	17.5	63
160	Architecture of epigenetic reprogramming following Twist1-mediated epithelial-mesenchymal transition. *Genome Biology*, **2013**, 14, R144	18.3	63
159	Chromatin remodeling is required for gene reactivation after decitabine-mediated DNA hypomethylation. *Cancer Research*, **2010**, 70, 6968-77	10.1	63
158	Feasibility of allo-SCT after hypomethylating therapy with decitabine for myelodysplastic syndrome. *Bone Marrow Transplantation*, **2009**, 43, 839-43	4.4	63
157	Induction of hypomethylation and molecular response after decitabine therapy in patients with chronic myelomonocytic leukemia. *Blood*, **2008**, 111, 2382-4	2.2	63
156	Aberrant methylation and silencing of ARHI, an imprinted tumor suppressor gene in which the function is lost in breast cancers. *Cancer Research*, **2003**, 63, 4174-80	10.1	63
155	Age-related epigenetic drift in the pathogenesis of MDS and AML. *Genome Research*, **2014**, 24, 580-91	9.7	62
154	Reactivation of the silenced and imprinted alleles of ARHI is associated with increased histone H3 acetylation and decreased histone H3 lysine 9 methylation. *Human Molecular Genetics*, **2003**, 12, 1791-800	5.6	62
153	Colorectal carcinomas with CpG island methylator phenotype 1 frequently contain mutations in chromatin regulators. *Gastroenterology*, **2014**, 146, 530-38.e5	13.3	61
152	RIL, a LIM gene on 5q31, is silenced by methylation in cancer and sensitizes cancer cells to apoptosis. *Cancer Research*, **2007**, 67, 1997-2005	10.1	61
151	TET1-Mediated Hypomethylation Activates Oncogenic Signaling in Triple-Negative Breast Cancer. *Cancer Research*, **2018**, 78, 4126-4137	10.1	59
150	Aberrant DNA methylation in pediatric patients with acute lymphocytic leukemia. *Cancer*, **2003**, 97, 695-702	6.4	59
149	Dissecting DNA hypermethylation in cancer. *FEBS Letters*, **2011**, 585, 2078-86	3.8	58
148	An Sp1/Sp3 binding polymorphism confers methylation protection. *PLoS Genetics*, **2008**, 4, e1000162	6	58
147	Conserved DNA methylation patterns in healthy blood cells and extensive changes in leukemia measured by a new quantitative technique. *Epigenetics*, **2012**, 7, 1368-78	5.7	55
146	Understanding the development of human bladder cancer by using a whole-organ genomic mapping strategy. *Laboratory Investigation*, **2008**, 88, 694-721	5.9	55
145	Comment on "Chromosomal Instability and Tumors Promoted by DNA Hypomethylation" and "Induction of Tumors in Mice by Genomic Hypomethylation". *Science*, **2003**, 302, 1153b-1153	33.3	55

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143	Guadecitabine (SGI-110) in patients with intermediate or high-risk myelodysplastic syndromes: phase 2 results from a multicentre, open-label, randomised, phase 1/2 trial. *Lancet Haematology,the* , **2019**, 6, e317-e327	14.6	54
142	Phenotype of microsatellite-stable colorectal carcinomas with CpG island methylation. *American Journal of Surgical Pathology*, **2005**, 29, 429-36	6.7	54
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