

Peter A Jones

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74
papers

28,369
citations

47
h-index

77
g-index

77
ext. papers

31,674
ext. citations

16.1
avg, IF

7.81
L-index

#	Paper	IF	Citations
74	The fundamental role of epigenetic events in cancer. <i>Nature Reviews Genetics</i> , 2002 , 3, 415-28	30.1	4311
73	Functions of DNA methylation: islands, start sites, gene bodies and beyond. <i>Nature Reviews Genetics</i> , 2012 , 13, 484-92	30.1	3737
72	The epigenomics of cancer. <i>Cell</i> , 2007 , 128, 683-92	56.2	3514
71	Epigenetics in human disease and prospects for epigenetic therapy. <i>Nature</i> , 2004 , 429, 457-63	50.4	2442
70	Cancer epigenetics comes of age. <i>Nature Genetics</i> , 1999 , 21, 163-7	36.3	1927
69	Cellular differentiation, cytidine analogs and DNA methylation. <i>Cell</i> , 1980 , 20, 85-93	56.2	1553
68	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, 435-43	24.3	1137
67	Cancer genetics and epigenetics: two sides of the same coin?. <i>Cancer Cell</i> , 2012 , 22, 9-20	24.3	784
66	DNA-Demethylating Agents Target Colorectal Cancer Cells by Inducing Viral Mimicry by Endogenous Transcripts. <i>Cell</i> , 2015 , 162, 961-73	56.2	705
65	Gene body methylation can alter gene expression and is a therapeutic target in cancer. <i>Cancer Cell</i> , 2014 , 26, 577-90	24.3	662
64	Targeting the cancer epigenome for therapy. <i>Nature Reviews Genetics</i> , 2016 , 17, 630-41	30.1	649
63	Rethinking how DNA methylation patterns are maintained. <i>Nature Reviews Genetics</i> , 2009 , 10, 805-11	30.1	585
62	Demethylation of a hypermethylated P15/INK4B gene in patients with myelodysplastic syndrome by 5-Aza-2-Deoxycytidine (decitabine) treatment. <i>Blood</i> , 2002 , 100, 2957-64	2.2	459
61	Cooperativity between DNA methyltransferases in the maintenance methylation of repetitive elements. <i>Molecular and Cellular Biology</i> , 2002 , 22, 480-91	4.8	452
60	5-methylcytosine, gene regulation, and cancer. <i>Advances in Cancer Research</i> , 1983 , 40, 1-30	5.9	365
59	Rapid quantitation of methylation differences at specific sites using methylation-sensitive single nucleotide primer extension (Ms-SNuPE). <i>Nucleic Acids Research</i> , 1997 , 25, 2529-31	20.1	329
58	Immune regulation by low doses of the DNA methyltransferase inhibitor 5-azacitidine in common human epithelial cancers. <i>Oncotarget</i> , 2014 , 5, 587-98	3.3	299

57	Functional striated muscle cells from non-myoblast precursors following 5-azacytidine treatment. <i>Nature</i> , 1977 , 267, 364-6	50.4	293
56	Frequent switching of Polycomb repressive marks and DNA hypermethylation in the PC3 prostate cancer cell line. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 12979-84	11.5	289
55	Alterations of immune response of Non-Small Cell Lung Cancer with Azacytidine. <i>Oncotarget</i> , 2013 , 4, 2067-79	3.3	285
54	Genome-wide mapping of nucleosome positioning and DNA methylation within individual DNA molecules. <i>Genome Research</i> , 2012 , 22, 2497-506	9.7	281
53	p53 and treatment of bladder cancer. <i>Nature</i> , 1997 , 385, 123-5	50.4	237
52	Epigenetic therapy in immune-oncology. <i>Nature Reviews Cancer</i> , 2019 , 19, 151-161	31.3	216
51	DNA methylation screening identifies driver epigenetic events of cancer cell survival. <i>Cancer Cell</i> , 2012 , 21, 655-667	24.3	198
50	Delivery of 5-aza-2-Deoxycytidine to cells using oligodeoxynucleotides. <i>Cancer Research</i> , 2007 , 67, 6400-8	10.1	183
49	Role of nucleosomal occupancy in the epigenetic silencing of the MLH1 CpG island. <i>Cancer Cell</i> , 2007 , 12, 432-44	24.3	168
48	Selective anchoring of DNA methyltransferases 3A and 3B to nucleosomes containing methylated DNA. <i>Molecular and Cellular Biology</i> , 2009 , 29, 5366-76	4.8	167
47	Identification of DNMT1 (DNA methyltransferase 1) hypomorphs in somatic knockouts suggests an essential role for DNMT1 in cell survival. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 14080-5	11.5	159
46	Phenotypic conversion of cultured mouse embryo cells by aza pyrimidine nucleosides. <i>Developmental Biology</i> , 1978 , 66, 57-71	3.1	140
45	Vitamin C increases viral mimicry induced by 5-aza-2-Deoxycytidine. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 10238-44	11.5	110
44	Role of the DNA Methyltransferase Variant DNMT3b3 in DNA Methylation. <i>Molecular Cancer Research</i> , 2004 , 2, 62-72	6.6	108
43	Nucleosomes containing methylated DNA stabilize DNA methyltransferases 3A/3B and ensure faithful epigenetic inheritance. <i>PLoS Genetics</i> , 2011 , 7, e1001286	6	88
42	Combination Epigenetic Therapy in Advanced Breast Cancer with 5-Azacytidine and Entinostat: A Phase II National Cancer Institute/Stand Up to Cancer Study. <i>Clinical Cancer Research</i> , 2017 , 23, 2691-2701	12.9	84
41	DNMT3B isoforms without catalytic activity stimulate gene body methylation as accessory proteins in somatic cells. <i>Nature Communications</i> , 2016 , 7, 11453	17.4	79
40	Allelic methylation levels of the noncoding VTRNA2-1 located on chromosome 5q31.1 predict outcome in AML. <i>Blood</i> , 2012 , 119, 206-16	2.2	78

39	The endothelin receptor B (EDNRB) promoter displays heterogeneous, site specific methylation patterns in normal and tumor cells. <i>Human Molecular Genetics</i> , 2001 , 10, 903-10	5.6	78
38	Bivalent Regions of Cytosine Methylation and H3K27 Acetylation Suggest an Active Role for DNA Methylation at Enhancers. <i>Molecular Cell</i> , 2016 , 62, 422-431	17.6	77
37	Allele-specific methylation of the human c-Ha-ras-1 gene. <i>Cell</i> , 1987 , 50, 711-7	56.2	76
36	Overview of cancer epigenetics. <i>Seminars in Hematology</i> , 2005 , 42, S3-8	4	69
35	PAX6 methylation and ectopic expression in human tumor cells. <i>International Journal of Cancer</i> , 2000 , 87, 179-85	7.5	66
34	The role of DNA methylation in directing the functional organization of the cancer epigenome. <i>Genome Research</i> , 2015 , 25, 467-77	9.7	62
33	Origins of bidirectional promoters: computational analyses of intergenic distance in the human genome. <i>Molecular Biology and Evolution</i> , 2004 , 21, 463-7	8.3	62
32	DNA methylation as a target for drug design. <i>Pharmaceutical Research</i> , 1998 , 15, 175-87	4.5	60
31	The rate of CpG mutation in Alu repetitive elements within the p53 tumor suppressor gene in the primate germline. <i>Journal of Molecular Biology</i> , 1996 , 258, 240-50	6.5	56
30	Combination epigenetic therapy in metastatic colorectal cancer (mCRC) with subcutaneous 5-azacitidine and entinostat: a phase 2 consortium/stand up 2 cancer study. <i>Oncotarget</i> , 2017 , 8, 35326-35338	3.3	52
29	Dual Inhibition of DNA and Histone Methyltransferases Increases Viral Mimicry in Ovarian Cancer Cells. <i>Cancer Research</i> , 2018 , 78, 5754-5766	10.1	49
28	Analysis of cyclin-dependent kinase inhibitor expression and methylation patterns in human prostate cancers. <i>Prostate</i> , 2000 , 43, 233-42	4.2	48
27	Switching roles for DNA and histone methylation depend on evolutionary ages of human endogenous retroviruses. <i>Genome Research</i> , 2018 , 28, 1147-1157	9.7	47
26	Mutagenicity of nitric oxide is not caused by deamination of cytosine or 5-methylcytosine in double-stranded DNA. <i>Carcinogenesis</i> , 1994 , 15, 2899-903	4.6	41
25	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	11.5	35
24	Methylation inhibitors can increase the rate of cytosine deamination by (cytosine-5)-DNA methyltransferase. <i>Nucleic Acids Research</i> , 1996 , 24, 3267-75	20.1	34
23	Analysis of individual remodeled nucleosomes reveals decreased histone-DNA contacts created by hSWI/SNF. <i>Nucleic Acids Research</i> , 2009 , 37, 5279-94	20.1	33
22	Identifying aggressive prostate cancer foci using a DNA methylation classifier. <i>Genome Biology</i> , 2017 , 18, 3	18.3	31

21	A Phase I Trial of a Guadecitabine (SGI-110) and Irinotecan in Metastatic Colorectal Cancer Patients Previously Exposed to Irinotecan. <i>Clinical Cancer Research</i> , 2018 , 24, 6160-6167	12.9	31
20	Down-regulation of ARID1A is sufficient to initiate neoplastic transformation along with epigenetic reprogramming in non-tumorigenic endometriotic cells. <i>Cancer Letters</i> , 2017 , 401, 11-19	9.9	27
19	Early acquisition of homozygous deletions of p16/p19 during squamous cell carcinogenesis and genetic mosaicism in bladder cancer. <i>Oncogene</i> , 1998 , 17, 3021-7	9.2	27
18	Structure of nucleosome-bound DNA methyltransferases DNMT3A and DNMT3B. <i>Nature</i> , 2020 , 586, 151-155	50.4	26
17	Characterisation of human cells transformed in vitro by urethane. <i>Nature</i> , 1975 , 256, 322-4	50.4	24
16	A phase 1 study of azacitidine combined with chemotherapy in childhood leukemia: a report from the TACL consortium. <i>Blood</i> , 2018 , 131, 1145-1148	2.2	22
15	Endothelial Cells Degrade Extracellular Matrix Proteins Produced In Vitro. <i>Thrombosis and Haemostasis</i> , 1985 , 54, 498-502	7	22
14	Nucleosome Positioning and NDR Structure at RNA Polymerase III Promoters. <i>Scientific Reports</i> , 2017 , 7, 41947	4.9	21
13	Identification of DNA Methylation-Independent Epigenetic Events Underlying Clear Cell Renal Cell Carcinoma. <i>Cancer Research</i> , 2016 , 76, 1954-64	10.1	21
12	Discovery of a first-in-class reversible DNMT1-selective inhibitor with improved tolerability and efficacy in acute myeloid leukemia. <i>Nature Cancer</i> ,	15.4	21
11	Mother-child transmission of epigenetic information by tunable polymorphic imprinting. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E11970-E11977	11.5	19
10	Activation of a Subset of Evolutionarily Young Transposable Elements and Innate Immunity Are Linked to Clinical Responses to 5-Azacytidine. <i>Cancer Research</i> , 2020 , 80, 2441-2450	10.1	15
9	Nucleosome Occupancy and Methylome Sequencing (NOMe-seq). <i>Methods in Molecular Biology</i> , 2018 , 1708, 267-284	1.4	13
8	Bladder cancer genotype stability during clinical progression. <i>Genes Chromosomes and Cancer</i> , 2000 , 29, 26-32	5	11
7	Enhancer-dependent, locus-wide regulation of the imprinted mouse insulin-like growth factor II gene. <i>Journal of Biochemistry</i> , 1998 , 123, 984-91	3.1	4
6	Mesodermal determination genes: evidence from DNA methylation studies. <i>BioEssays</i> , 1988 , 8, 100-3	4.1	4
5	The cancer epigenome. <i>Genome</i> , 2013 , 56, 540-1	2.4	3
4	Oocyte age and preconceptual alcohol use are highly correlated with epigenetic imprinting of a noncoding RNA (). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	3

- 3 Discovery of a first-in-class reversible DNMT1-selective inhibitor with improved tolerability and efficacy in acute myeloid leukemia. *Nature Cancer*, **2021**, 2, 1002-1017 15.4 3
- 2 PAX6 methylation and ectopic expression in human tumor cells **2000**, 87, 179 1
- 1 The Human Epigenome **2022**, 3-25