

Adam R Karpf

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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.

93
papers

5,583
citations

41
h-index

74
g-index

99
ext. papers

6,245
ext. citations

7.3
avg, IF

5.43
L-index

#	Paper	IF	Citations
93	DNA demethylation in zebrafish involves the coupling of a deaminase, a glycosylase, and gadd45. <i>Cell</i> , 2008 , 135, 1201-12	56.2	560
92	Direct interaction between DNMT1 and G9a coordinates DNA and histone methylation during replication. <i>Genes and Development</i> , 2006 , 20, 3089-103	12.6	398
91	Mutations in DNMT1 cause hereditary sensory neuropathy with dementia and hearing loss. <i>Nature Genetics</i> , 2011 , 43, 595-600	36.3	284
90	Reactivating the expression of methylation silenced genes in human cancer. <i>Oncogene</i> , 2002 , 21, 5496-503	3.2	220
89	Genetic disruption of cytosine DNA methyltransferase enzymes induces chromosomal instability in human cancer cells. <i>Cancer Research</i> , 2005 , 65, 8635-9	10.1	202
88	Specific method for the determination of genomic DNA methylation by liquid chromatography-electrospray ionization tandem mass spectrometry. <i>Analytical Chemistry</i> , 2005 , 77, 5047-8	7.8	182
87	Inhibition of DNA methyltransferase stimulates the expression of signal transducer and activator of transcription 1, 2, and 3 genes in colon tumor cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999 , 96, 14007-12	11.5	164
86	Association between global DNA hypomethylation in leukocytes and risk of breast cancer. <i>Carcinogenesis</i> , 2009 , 30, 1889-97	4.6	153
85	Activation of the p53 DNA Damage Response Pathway after Inhibition of DNA Methyltransferase by 5-Aza-2'-deoxycytidine. <i>Molecular Pharmacology</i> , 2001 , 59, 751-757	4.3	148
84	Dnmt2 functions in the cytoplasm to promote liver, brain, and retina development in zebrafish. <i>Genes and Development</i> , 2007 , 21, 261-6	12.6	147
83	Epigenetic potentiation of NY-ESO-1 vaccine therapy in human ovarian cancer. <i>Cancer Immunology Research</i> , 2014 , 2, 37-49	12.5	144
82	Zebra fish Dnmt1 and Suv39h1 regulate organ-specific terminal differentiation during development. <i>Molecular and Cellular Biology</i> , 2006 , 26, 7077-85	4.8	132
81	Limited gene activation in tumor and normal epithelial cells treated with the DNA methyltransferase inhibitor 5-aza-2'deoxycytidine. <i>Molecular Pharmacology</i> , 2004 , 65, 18-27	4.3	125
80	Evaluation of a 7-day continuous intravenous infusion of decitabine: inhibition of promoter-specific and global genomic DNA methylation. <i>Journal of Clinical Oncology</i> , 2005 , 23, 3897-905	2.2	121
79	Epigenetic regulation of X-linked cancer/germline antigen genes by DNMT1 and DNMT3b. <i>Oncogene</i> , 2006 , 25, 6975-85	9.2	100
78	Dnmt3 and G9a cooperate for tissue-specific development in zebrafish. <i>Journal of Biological Chemistry</i> , 2010 , 285, 4110-4121	5.4	99
77	Epigenetic alterations in the brains of Fisher 344 rats induced by long-term administration of folate/methyl-deficient diet. <i>Brain Research</i> , 2008 , 1237, 25-34	3.7	94

76	Increased expression of androgen receptor coregulator MAGE-11 in prostate cancer by DNA hypomethylation and cyclic AMP. <i>Molecular Cancer Research</i> , 2009 , 7, 523-35	6.6	90
75	A potential role for epigenetic modulatory drugs in the enhancement of cancer/germ-line antigen vaccine efficacy. <i>Epigenetics</i> , 2006 , 1, 116-20	5.7	83
74	Regulation of cancer germline antigen gene expression: implications for cancer immunotherapy. <i>Future Oncology</i> , 2010 , 6, 717-32	3.6	79
73	Intertumor and intratumor NY-ESO-1 expression heterogeneity is associated with promoter-specific and global DNA methylation status in ovarian cancer. <i>Clinical Cancer Research</i> , 2008 , 14, 3283-90	12.9	78
72	DNA methylation-dependent regulation of BORIS/CTCF expression in ovarian cancer. <i>Cancer Immunity</i> , 2007 , 7, 21		75
71	Pan-Cancer Analyses Reveal Genomic Features of FOXM1 Overexpression in Cancer. <i>Cancers</i> , 2019 , 11,	6.6	73
70	Immunomodulatory action of SGI-110, a hypomethylating agent, in acute myeloid leukemia cells and xenografts. <i>Leukemia Research</i> , 2014 , 38, 1332-41	2.7	68
69	NY-ESO-1 cancer testis antigen demonstrates high immunogenicity in triple negative breast cancer. <i>PLoS ONE</i> , 2012 , 7, e38783	3.7	66
68	Epigenetic regulation of vitamin D 24-hydroxylase/CYP24A1 in human prostate cancer. <i>Cancer Research</i> , 2010 , 70, 5953-62	10.1	65
67	Genetic and epigenetic changes in rat preneoplastic liver tissue induced by 2-acetylaminofluorene. <i>Carcinogenesis</i> , 2008 , 29, 638-46	4.6	64
66	Coordinated cancer germline antigen promoter and global DNA hypomethylation in ovarian cancer: association with the BORIS/CTCF expression ratio and advanced stage. <i>Clinical Cancer Research</i> , 2011 , 17, 2170-80	12.9	62
65	Stage-specific alterations of DNA methyltransferase expression, DNA hypermethylation, and DNA hypomethylation during prostate cancer progression in the transgenic adenocarcinoma of mouse prostate model. <i>Molecular Cancer Research</i> , 2008 , 6, 1365-74	6.6	62
64	Epigenetic silencing of CYP24 in tumor-derived endothelial cells contributes to selective growth inhibition by calcitriol. <i>Journal of Biological Chemistry</i> , 2007 , 282, 8704-14	5.4	61
63	Insufficient DNA methylation affects healthy aging and promotes age-related health problems. <i>Clinical Epigenetics</i> , 2011 , 2, 349-60	7.7	57
62	NY-ESO-1 Vaccination in Combination with Decitabine Induces Antigen-Specific T-lymphocyte Responses in Patients with Myelodysplastic Syndrome. <i>Clinical Cancer Research</i> , 2018 , 24, 1019-1029	12.9	55
61	Induction of cancer testis antigen expression in circulating acute myeloid leukemia blasts following hypomethylating agent monotherapy. <i>Oncotarget</i> , 2016 , 7, 12840-56	3.3	53
60	Immunomodulatory action of the DNA methyltransferase inhibitor SGI-110 in epithelial ovarian cancer cells and xenografts. <i>Epigenetics</i> , 2015 , 10, 237-46	5.7	51
59	Comparison of Sindbis virus-induced pathology in mosquito and vertebrate cell cultures. <i>Virology</i> , 1998 , 240, 193-201	3.6	49

58	Inhibition of miR-328-3p Impairs Cancer Stem Cell Function and Prevents Metastasis in Ovarian Cancer. <i>Cancer Research</i> , 2019 , 79, 2314-2326	10.1	45
57	Essential role for Dnmt1 in the prevention and maintenance of MYC-induced T-cell lymphomas. <i>Molecular and Cellular Biology</i> , 2013 , 33, 4321-33	4.8	45
56	Genetic determinants of FOXM1 overexpression in epithelial ovarian cancer and functional contribution to cell cycle progression. <i>Oncotarget</i> , 2015 , 6, 27613-27	3.3	45
55	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, 736-48	5.7	44
54	p53-inducible ribonucleotide reductase (p53R2/RRM2B) 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, 9358-66	10.1	44
53	DNA methylation and nucleosome occupancy regulate the cancer germline antigen gene MAGEA11. <i>Epigenetics</i> , 2013 , 8, 849-63	5.7	42
52	Distinct roles for histone methyltransferases G9a and GLP in cancer germ-line antigen gene regulation in human cancer cells and murine embryonic stem cells. <i>Molecular Cancer Research</i> , 2009 , 7, 851-62	6.6	41
51	LINE1 and Alu repetitive element DNA methylation in tumors and white blood cells from epithelial ovarian cancer patients. <i>Gynecologic Oncology</i> , 2014 , 132, 462-7	4.9	39
50	DNA methylation pathway alterations in an autochthonous murine model of prostate cancer. <i>Cancer Research</i> , 2006 , 66, 11659-67	10.1	39
49	Dnmt3b is a haploinsufficient tumor suppressor gene in Myc-induced lymphomagenesis. <i>Blood</i> , 2013 , 121, 2059-63	2.2	38
48	PRAME expression and promoter hypomethylation in epithelial ovarian cancer. <i>Oncotarget</i> , 2016 , 7, 45352-45369	3.5	38
47	Functional characterization of a panel of high-grade serous ovarian cancer cell lines as representative experimental models of the disease. <i>Oncotarget</i> , 2016 , 7, 32810-20	3.3	36
46	Lack of evidence for green tea polyphenols as DNA methylation inhibitors in murine prostate. <i>Cancer Prevention Research</i> , 2009 , 2, 1065-75	3.2	35
45	Regulation of high molecular weight-melanoma associated antigen (HMW-MAA) gene expression by promoter DNA methylation in human melanoma cells. <i>Oncogene</i> , 2006 , 25, 2873-84	9.2	35
44	An improved synthesis of psammalin A. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2006 , 16, 3330-3	2.9	34
43	Lactate production by Staphylococcus aureus biofilm inhibits HDAC11 to reprogramme the host immune response during persistent infection. <i>Nature Microbiology</i> , 2020 , 5, 1271-1284	26.6	33
42	Tumor suppressor functions of Dnmt3a and Dnmt3b in the prevention of malignant mouse lymphopoiesis. <i>Leukemia</i> , 2014 , 28, 1138-42	10.7	32
41	DNA Methylome Analyses Implicate Fallopian Tube Epithelia as the Origin for High-Grade Serous Ovarian Cancer. <i>Molecular Cancer Research</i> , 2016 , 14, 787-94	6.6	31

40	Characterization of the infection of <i>Aedes albopictus</i> cell clones by Sindbis virus. <i>Virus Research</i> , 1997 , 50, 1-13	6.4	30
39	Opposing roles of Dnmt1 in early- and late-stage murine prostate cancer. <i>Molecular and Cellular Biology</i> , 2010 , 30, 4159-74	4.8	28
38	Differential vitamin D 24-hydroxylase/CYP24A1 gene promoter methylation in endothelium from benign and malignant human prostate. <i>Epigenetics</i> , 2011 , 6, 994-1000	5.7	28
37	Mechanisms of epigenetic silencing of the <i>Rassf1a</i> gene during estrogen-induced breast carcinogenesis in ACI rats. <i>Carcinogenesis</i> , 2010 , 31, 376-81	4.6	25
36	Promoter Hypomethylation and Expression Is Conserved in Mouse Chronic Lymphocytic Leukemia Induced by Decreased or Inactivated Dnmt3a. <i>Cell Reports</i> , 2016 , 15, 1190-201	10.6	24
35	Expression level and DNA methylation status of glutathione-S-transferase genes in normal murine prostate and TRAMP tumors. <i>Prostate</i> , 2009 , 69, 1312-24	4.2	22
34	Global DNA Hypomethylation in Epithelial Ovarian Cancer: Passive Demethylation and Association with Genomic Instability. <i>Cancers</i> , 2020 , 12,	6.6	20
33	The four and a half LIM domains 2 (FHL2) regulates ovarian granulosa cell tumor progression via controlling AKT1 transcription. <i>Cell Death and Disease</i> , 2016 , 7, e2297	9.8	20
32	BORIS/CTCF expression is insufficient for cancer-germline antigen gene expression and DNA hypomethylation in ovarian cell lines. <i>Cancer Immunity</i> , 2010 , 10, 6		20
31	Anti-proliferative effects of calcitriol on endothelial cells derived from two different microenvironments. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2007 , 103, 768-70	5.1	19
30	G-1 Inhibits Breast Cancer Cell Growth via Targeting Colchicine-Binding Site of Tubulin to Interfere with Microtubule Assembly. <i>Molecular Cancer Therapeutics</i> , 2017 , 16, 1080-1091	6.1	18
29	BORIS/CTCF mRNA isoform expression and epigenetic regulation in epithelial ovarian cancer. <i>Cancer Immunity</i> , 2013 , 13, 6		16
28	Epigenomic reactivation screening to identify genes silenced by DNA hypermethylation in human cancer. <i>Current Opinion in Molecular Therapeutics</i> , 2007 , 9, 231-41		16
27	Epigenetic activation of POTE genes in ovarian cancer. <i>Epigenetics</i> , 2019 , 14, 185-197	5.7	15
26	In vivo modeling of metastatic human high-grade serous ovarian cancer in mice. <i>PLoS Genetics</i> , 2020 , 16, e1008808	6	15
25	Phenotype-specific CpG island methylation events in a murine model of prostate cancer. <i>Cancer Research</i> , 2008 , 68, 4173-82	10.1	15
24	Expression in Ovarian Cancer Precursor Cells Alters the CTCF Cistrome and Enhances Invasiveness through. <i>Molecular Cancer Research</i> , 2019 , 17, 2051-2062	6.6	15
23	Expression of the POTE gene family in human ovarian cancer. <i>Scientific Reports</i> , 2018 , 8, 17136	4.9	13

22	Targeting progesterone signaling prevents metastatic ovarian cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 31993-32004	11.5	9
21	Symbiotic prodrugs (SymProDs) dual targeting of NFkappaB and CDK. <i>Chemical Biology and Drug Design</i> , 2020 , 96, 773-784	2.9	7
20	White blood cell DNA methylation and risk of breast cancer in the Prostate, Lung, Colorectal, and Ovarian Cancer Screening Trial (PLCO). <i>Breast Cancer Research</i> , 2017 , 19, 94	8.3	7
19	Epigenetic alterations in oncogenesis. Preface. <i>Advances in Experimental Medicine and Biology</i> , 2013 , 754, v-vii	3.6	7
18	Synergism between clofarabine and decitabine through p53R2: a pharmacodynamic drug-drug interaction modeling. <i>Leukemia Research</i> , 2012 , 36, 1410-6	2.7	6
17	Cyclin-dependent kinase 1-mediated phosphorylation of YES links mitotic arrest and apoptosis during antitubulin chemotherapy. <i>Cellular Signalling</i> , 2018 , 52, 137-146	4.9	6
16	NPM-ALK Is a Key Regulator of the Oncoprotein FOXM1 in ALK-Positive Anaplastic Large Cell Lymphoma. <i>Cancers</i> , 2019 , 11,	6.6	4
15	Co-regulation and function of / bidirectional genes in cancer. <i>ELife</i> , 2021 , 10,	8.9	3
14	Reprogramming of Ovarian Granulosa Cells by YAP1 Leads to Development of High-Grade Cancer with Mesenchymal Lineage and Serous Features. <i>Science Bulletin</i> , 2020 , 65, 1281-1296	10.6	2
13	Co-regulation and functional cooperativity of FOXM1 and RHNO1 bidirectional genes in ovarian cancer		2
12	FOXM1: A Multifunctional Oncoprotein and Emerging Therapeutic Target in Ovarian Cancer. <i>Cancers</i> , 2021 , 13,	6.6	2
11	copy number is a biomarker for response to combination WEE1-ATR inhibition in ovarian and endometrial cancer models. <i>Cell Reports Medicine</i> , 2021 , 2, 100394	18	2
10	Genome-wide hypomethylation and cancer risk--letter. <i>Cancer Prevention Research</i> , 2013 , 6, 753	3.2	1
9	Conventional Dose Hypomethylating Agents Induce CG Antigen Genes In Vivo. <i>Blood</i> , 2011 , 118, 2441-2441		1
8	NY-ESO-1 Vaccination in Combination with Decitabine for Patients with MDS Induces CD4+ and CD8+ T-Cell Responses. <i>Blood</i> , 2015 , 126, 2873-2873	2.2	1
7	Protein kinase RNA-activated controls mitotic progression and determines paclitaxel chemosensitivity through B-cell lymphoma 2 in ovarian cancer. <i>Oncogene</i> , 2021 ,	9.2	1
6	Global DNA hypomethylation in epithelial ovarian cancer: passive demethylation and association with genomic instability		1
5	Vaccination with NY-ESO-1 in Combination with Decitabine for Patients with MDS. <i>Blood</i> , 2016 , 128, 4326-4326		1

- 4 Spirocyclic dimer SpiD7 activates the unfolded protein response to selectively inhibit growth and induce apoptosis of cancer cells.. *Journal of Biological Chemistry*, **2022**, 101890 5.4 ○
- 3 FOXM1 and the NPM-ALK/STAT3 Axis Form a Novel Positive Feedback Loop in Promoting the Oncogenesis of ALK-Positive Anaplastic Large Cell Lymphoma. *Blood*, **2018**, 132, 3921-3921 2.2
- 2 SGI-110, a Novel Hypomethylating Agent, Induces the WNT Inhibitor Secreted Frizzled Related Protein-2 (SFRP2), and Down Regulates β Catenin in Acute Myeloid Leukemia (AML) Cells. *Blood*, **2012**, 120, 1290-1290 2.2
- 1 Pharmacodynamic Responses to DNA Methyltransferase Inhibition **2014**, 171-188