

Adam R Karpf

List of Publications by Year in descending order

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93
papers

6,789
citations

53751

45
h-index

62565

80
g-index

99
all docs

99
docs citations

99
times ranked

9384
citing authors

#	ARTICLE	IF	CITATIONS
1	DNA Demethylation in Zebrafish Involves the Coupling of a Deaminase, a Glycosylase, and Gadd45. <i>Cell</i> , 2008, 135, 1201-1212.	13.5	594
2	Direct interaction between DNMT1 and G9a coordinates DNA and histone methylation during replication. <i>Genes and Development</i> , 2006, 20, 3089-3103.	2.7	461
3	Mutations in DNMT1 cause hereditary sensory neuropathy with dementia and hearing loss. <i>Nature Genetics</i> , 2011, 43, 595-600.	9.4	342
4	Genetic Disruption of Cytosine DNA Methyltransferase Enzymes Induces Chromosomal Instability in Human Cancer Cells. <i>Cancer Research</i> , 2005, 65, 8635-8639.	0.4	238
5	Reactivating the expression of methylation silenced genes in human cancer. <i>Oncogene</i> , 2002, 21, 5496-5503.	2.6	236
6	Specific Method for the Determination of Genomic DNA Methylation by Liquid Chromatography-Electrospray Ionization Tandem Mass Spectrometry. <i>Analytical Chemistry</i> , 2005, 77, 504-510.	3.2	204
7	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, 14007-14012.	3.3	179
8	Dnmt2 functions in the cytoplasm to promote liver, brain, and retina development in zebrafish. <i>Genes and Development</i> , 2007, 21, 261-266.	2.7	179
9	Epigenetic Potentiation of NY-ESO-1 Vaccine Therapy in Human Ovarian Cancer. <i>Cancer Immunology Research</i> , 2014, 2, 37-49.	1.6	168
10	Association between global DNA hypomethylation in leukocytes and risk of breast cancer. <i>Carcinogenesis</i> , 2009, 30, 1889-1897.	1.3	167
11	Activation of the p53 DNA Damage Response Pathway after Inhibition of DNA Methyltransferase by 5-Aza-2â€²-deoxycytidine. <i>Molecular Pharmacology</i> , 2001, 59, 751-757.	1.0	162
12	Pan-Cancer Analyses Reveal Genomic Features of FOXM1 Overexpression in Cancer. <i>Cancers</i> , 2019, 11, 251.	1.7	150
13	Zebra Fish Dnmt1 and Suv39h1 Regulate Organ-Specific Terminal Differentiation during Development. <i>Molecular and Cellular Biology</i> , 2006, 26, 7077-7085.	1.1	143
14	Limited Gene Activation in Tumor and Normal Epithelial Cells Treated with the DNA Methyltransferase Inhibitor 5-Aza-2â€²-deoxycytidine. <i>Molecular Pharmacology</i> , 2004, 65, 18-27.	1.0	136
15	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, 3897-3905.	0.8	136
16	Dnmt3 and G9a Cooperate for Tissue-specific Development in Zebrafish. <i>Journal of Biological Chemistry</i> , 2010, 285, 4110-4121.	1.6	114
17	Increased Expression of Androgen Receptor Coregulator MAGE-11 in Prostate Cancer by DNA Hypomethylation and Cyclic AMP. <i>Molecular Cancer Research</i> , 2009, 7, 523-535.	1.5	112
18	Epigenetic regulation of X-linked cancer/germline antigen genes by DNMT1 and DNMT3b. <i>Oncogene</i> , 2006, 25, 6975-6985.	2.6	110

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19	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.	1.1	102
20	Lactate production by <i>Staphylococcus aureus</i> biofilm inhibits HDAC11 to reprogramme the host immune response during persistent infection. <i>Nature Microbiology</i> , 2020, 5, 1271-1284.	5.9	102
21	Regulation of cancer germline antigen gene expression: implications for cancer immunotherapy. <i>Future Oncology</i> , 2010, 6, 717-732.	1.1	97
22	A Potential Role for Epigenetic Modulatory Drugs in the Enhancement of Cancer/Germ-Line Antigen Vaccine Efficacy. <i>Epigenetics</i> , 2006, 1, 116-120.	1.3	89
23	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, 3283-3290.	3.2	89
24	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.	3.2	87
25	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, 2170-2180.	3.2	85
26	NY-ESO-1 Cancer Testis Antigen Demonstrates High Immunogenicity in Triple Negative Breast Cancer. <i>PLoS ONE</i> , 2012, 7, e38783.	1.1	85
27	Epigenetic Regulation of Vitamin D 24-Hydroxylase (CYP24A1) in Human Prostate Cancer. <i>Cancer Research</i> , 2010, 70, 5953-5962.	0.4	84
28	Immunomodulatory action of SGI-110, a hypomethylating agent, in acute myeloid leukemia cells and xenografts. <i>Leukemia Research</i> , 2014, 38, 1332-1341.	0.4	77
29	DNA methylation-dependent regulation of BORIS/CTCF expression in ovarian cancer. <i>Cancer Immunity</i> , 2007, 7, 21.	3.2	76
30	PRAME expression and promoter hypomethylation in epithelial ovarian cancer. <i>Oncotarget</i> , 2016, 7, 45352-45369.	0.8	72
31	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, 1365-1374.	1.5	68
32	Inhibition of miR-328-3p Impairs Cancer Stem Cell Function and Prevents Metastasis in Ovarian Cancer. <i>Cancer Research</i> , 2019, 79, 2314-2326.	0.4	68
33	Epigenetic Silencing of CYP24 in Tumor-derived Endothelial Cells Contributes to Selective Growth Inhibition by Calcitriol. <i>Journal of Biological Chemistry</i> , 2007, 282, 8704-8714.	1.6	67
34	Genetic and epigenetic changes in rat preneoplastic liver tissue induced by 2-acetylaminofluorene. <i>Carcinogenesis</i> , 2008, 29, 638-646.	1.3	67
35	Insufficient DNA methylation affects healthy aging and promotes age-related health problems. <i>Clinical Epigenetics</i> , 2011, 2, 349-360.	1.8	64
36	Immunomodulatory action of the DNA methyltransferase inhibitor SGI-110 in epithelial ovarian cancer cells and xenografts. <i>Epigenetics</i> , 2015, 10, 237-246.	1.3	64

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37	Induction of cancer testis antigen expression in circulating acute myeloid leukemia blasts following hypomethylating agent monotherapy. <i>Oncotarget</i> , 2016, 7, 12840-12856.	0.8	63
38	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, 32810-32820.	0.8	58
39	Essential Role for Dnmt1 in the Prevention and Maintenance of MYC-Induced T-Cell Lymphomas. <i>Molecular and Cellular Biology</i> , 2013, 33, 4321-4333.	1.1	55
40	Genetic determinants of FOXM1 overexpression in epithelial ovarian cancer and functional contribution to cell cycle progression. <i>Oncotarget</i> , 2015, 6, 27613-27627.	0.8	54
41	DNA hypomethylation-mediated activation of <i>Cancer/Testis Antigen 45</i> (<i>CT45</i>) genes is associated with disease progression and reduced survival in epithelial ovarian cancer. <i>Epigenetics</i> , 2015, 10, 736-748.	1.3	52
42	Comparison of Sindbis Virus-Induced Pathology in Mosquito and Vertebrate Cell Cultures. <i>Virology</i> , 1998, 240, 193-201.	1.1	51
43	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, 851-862.	1.5	50
44	DNA Methylation Pathway Alterations in an Autochthonous Murine Model of Prostate Cancer. <i>Cancer Research</i> , 2006, 66, 11659-11667.	0.4	49
45	DNA methylation and nucleosome occupancy regulate the cancer germline antigen gene <i>MAGEA11</i> . <i>Epigenetics</i> , 2013, 8, 849-863.	1.3	47
46	LINE1 and Alu repetitive element DNA methylation in tumors and white blood cells from epithelial ovarian cancer patients. <i>Gynecologic Oncology</i> , 2014, 132, 462-467.	0.6	47
47	Global DNA Hypomethylation in Epithelial Ovarian Cancer: Passive Demethylation and Association with Genomic Instability. <i>Cancers</i> , 2020, 12, 764.	1.7	47
48	<i>p53</i> -Inducible Ribonucleotide Reductase (<i>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
49	<i>Dnmt3b</i> is a haploinsufficient tumor suppressor gene in <i>Myc</i> -induced lymphomagenesis. <i>Blood</i> , 2013, 121, 2059-2063.	0.6	44
50	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, 2873-2884.	2.6	43
51	An improved synthesis of psammalin A. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2006, 16, 3330-3333.	1.0	40
52	Tumor suppressor functions of <i>Dnmt3a</i> and <i>Dnmt3b</i> in the prevention of malignant mouse lymphopoiesis. <i>Leukemia</i> , 2014, 28, 1138-1142.	3.3	40
53	DNA Methylome Analyses Implicate Fallopian Tube Epithelia as the Origin for High-Grade Serous Ovarian Cancer. <i>Molecular Cancer Research</i> , 2016, 14, 787-794.	1.5	38
54	Lack of Evidence for Green Tea Polyphenols as DNA Methylation Inhibitors in Murine Prostate. <i>Cancer Prevention Research</i> , 2009, 2, 1065-1075.	0.7	37

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55	FOXM1: A Multifunctional Oncoprotein and Emerging Therapeutic Target in Ovarian Cancer. <i>Cancers</i> , 2021, 13, 3065.	1.7	37
56	Opposing Roles of Dnmt1 in Early- and Late-Stage Murine Prostate Cancer. <i>Molecular and Cellular Biology</i> , 2010, 30, 4159-4174.	1.1	33
57	Differential vitamin D 24-hydroxylase/ <i>CYP24A1</i> gene promoter methylation in endothelium from benign and malignant human prostate. <i>Epigenetics</i> , 2011, 6, 994-1000.	1.3	33
58	Promoter Hypomethylation and Expression Is Conserved in Mouse Chronic Lymphocytic Leukemia Induced by Decreased or Inactivated Dnmt3a. <i>Cell Reports</i> , 2016, 15, 1190-1201.	2.9	32
59	Characterization of the infection of <i>Aedes albopictus</i> cell clones by Sindbis virus. <i>Virus Research</i> , 1997, 50, 1-13.	1.1	31
60	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-e2297.	2.7	31
61	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.	1.9	31
62	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.	3.3	29
63	CCNE1 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.	3.3	29
64	Expression level and DNA methylation status of glutathione S-transferase genes in normal murine prostate and TRAMP tumors. <i>Prostate</i> , 2009, 69, 1312-1324.	1.2	28
65	Mechanisms of epigenetic silencing of the <i>Rassf1a</i> gene during estrogen-induced breast carcinogenesis in ACI rats. <i>Carcinogenesis</i> , 2010, 31, 376-381.	1.3	28
66	In vivo modeling of metastatic human high-grade serous ovarian cancer in mice. <i>PLoS Genetics</i> , 2020, 16, e1008808.	1.5	27
67	<i>BORIS</i> Expression in Ovarian Cancer Precursor Cells Alters the CTCF Cistrome and Enhances Invasiveness through <i>GALNT14</i> . <i>Molecular Cancer Research</i> , 2019, 17, 2051-2062.	1.5	25
68	Epigenetic activation of <i>POTE</i> genes in ovarian cancer. <i>Epigenetics</i> , 2019, 14, 185-197.	1.3	24
69	Anti-proliferative effects of calcitriol on endothelial cells derived from two different microenvironments. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2007, 103, 768-770.	1.2	21
70	Expression of the <i>POTE</i> gene family in human ovarian cancer. <i>Scientific Reports</i> , 2018, 8, 17136.	1.6	21
71	<i>BORIS/CTCF</i> expression is insufficient for cancer-germline antigen gene expression and DNA hypomethylation in ovarian cell lines. <i>Cancer Immunity</i> , 2010, 10, 6.	3.2	20
72	Phenotype-Specific CpG Island Methylation Events in a Murine Model of Prostate Cancer. <i>Cancer Research</i> , 2008, 68, 4173-4182.	0.4	18

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73	BORIS/CTCF mRNA isoform expression and epigenetic regulation in epithelial ovarian cancer. <i>Cancer Immunity</i> , 2013, 13, 6.	3.2	18
74	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. <i>Blood</i> , 2012, 120, 1290-1290.	0.6	17
75	Epigenomic reactivation screening to identify genes silenced by DNA hypermethylation in human cancer. <i>Current Opinion in Molecular Therapeutics</i> , 2007, 9, 231-41.	2.8	16
76	Co-regulation and function of FOXM1/RHNO1 bidirectional genes in cancer. <i>ELife</i> , 2021, 10, .	2.8	15
77	Epigenetic Alterations in Oncogenesis. <i>Advances in Experimental Medicine and Biology</i> , 2013, 754, v-vii.	0.8	10
78	Symbiotic prodrugs (SymProDs) dual targeting of NFkappaB and CDK. <i>Chemical Biology and Drug Design</i> , 2020, 96, 773-784.	1.5	10
79	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.	2.2	9
80	Cyclin-dependent kinase 1-mediated phosphorylation of YES links mitotic arrest and apoptosis during antitubulin chemotherapy. <i>Cellular Signalling</i> , 2018, 52, 137-146.	1.7	9
81	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.	4.3	8
82	Protein kinase RNA-activated controls mitotic progression and determines paclitaxel chemosensitivity through B-cell lymphoma 2 in ovarian cancer. <i>Oncogene</i> , 2021, 40, 6772-6785.	2.6	7
83	Synergism between clofarabine and decitabine through p53R2: A pharmacodynamic drug-drug interaction modeling. <i>Leukemia Research</i> , 2012, 36, 1410-1416.	0.4	6
84	NPM-ALK Is a Key Regulator of the Oncoprotein FOXM1 in ALK-Positive Anaplastic Large Cell Lymphoma. <i>Cancers</i> , 2019, 11, 1119.	1.7	6
85	Spirocyclic dimer SpiD7 activates the unfolded protein response to selectively inhibit growth and induce apoptosis of cancer cells. <i>Journal of Biological Chemistry</i> , 2022, 298, 101890.	1.6	5
86	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.	0.6	3
87	Genome-Wide Hypomethylation and Cancer Risk Letter. <i>Cancer Prevention Research</i> , 2013, 6, 753-753.	0.7	1
88	Conventional Dose Hypomethylating Agents Induce CG Antigen Genes In Vivo. <i>Blood</i> , 2011, 118, 2441-2441.	0.6	1
89	Vaccination with NY-ESO-1 in Combination with Decitabine for Patients with MDS. <i>Blood</i> , 2016, 128, 4326-4326.	0.6	1
90	Cancer Germline Antigens. , 2008, , 478-479.		1

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91	Epigenetic Modification Suppresses PKC ζ Expression in Epithelial Cancers. FASEB Journal, 2021, 35, .	0.2	0
92	Pharmacodynamic Responses to DNA Methyltransferase Inhibition. , 2014, , 171-188.		0
93	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.	0.6	0