

# Dominic J Smiraglia

## List of Publications by Citations

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77  
papers

5,046  
citations

36  
h-index

70  
g-index

88  
ext. papers

5,609  
ext. citations

7  
avg, IF

4.9  
L-index

#	Paper	IF	Citations
77	Aberrant CpG-island methylation has non-random and tumour-type-specific patterns. <i>Nature Genetics</i> , <b>2000</b> , 24, 132-8	36.3	1138
76	SLC5A8, a sodium transporter, is a tumor suppressor gene silenced by methylation in human colon aberrant crypt foci and cancers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2003</b> , 100, 8412-7	11.5	243
75	IMA: an R package for high-throughput analysis of Illumina's 450K Infinium methylation data. <i>Bioinformatics</i> , <b>2012</b> , 28, 729-30	7.2	231
74	Developmental acquisition of genome-wide DNA methylation occurs prior to meiosis in male germ cells. <i>Developmental Biology</i> , <b>2007</b> , 307, 368-79	3.1	179
73	Excessive CpG island hypermethylation in cancer cell lines versus primary human malignancies. <i>Human Molecular Genetics</i> , <b>2001</b> , 10, 1413-9	5.6	173
72	A novel role for mitochondria in regulating epigenetic modification in the nucleus. <i>Cancer Biology and Therapy</i> , <b>2008</b> , 7, 1182-90	4.6	156
71	Aging results in hypermethylation of ribosomal DNA in sperm and liver of male rats. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2003</b> , 100, 1775-80	11.5	152
70	Distinct epigenetic phenotypes in seminomatous and nonseminomatous testicular germ cell tumors. <i>Oncogene</i> , <b>2002</b> , 21, 3909-16	9.2	151
69	A unique configuration of genome-wide DNA methylation patterns in the testis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 228-33	11.5	138
68	Epigenetic regulation of the tumor suppressor gene TCF21 on 6q23-q24 in lung and head and neck cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2006</b> , 103, 982-7	11.5	137
67	HLTF gene silencing in human colon cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2002</b> , 99, 4562-7	11.5	127
66	A comprehensive search for DNA amplification in lung cancer identifies inhibitors of apoptosis CIAP1 and CIAP2 as candidate oncogenes. <i>Human Molecular Genetics</i> , <b>2003</b> , 12, 791-801	5.6	126
65	Frequently methylated tumor suppressor genes in head and neck squamous cell carcinoma. <i>Cancer Research</i> , <b>2008</b> , 68, 4494-9	10.1	102
64	Tissue specific differentially methylated regions (TDMR): Changes in DNA methylation during development. <i>Genomics</i> , <b>2009</b> , 93, 130-9	4.3	100
63	Methylation of the estrogen receptor-alpha gene promoter is selectively increased in proliferating human aortic smooth muscle cells. <i>Cardiovascular Research</i> , <b>2000</b> , 46, 172-9	9.9	94
62	Novel methylation targets in de novo acute myeloid leukemia with prevalence of chromosome 11 loci. <i>Blood</i> , <b>2001</b> , 97, 3226-33	2.2	79
61	Pan-cancer analysis of transcriptional metabolic dysregulation using The Cancer Genome Atlas. <i>Nature Communications</i> , <b>2018</b> , 9, 5330	17.4	77

60	Tissue specific DNA methylation of CpG islands in normal human adult somatic tissues distinguishes neural from non-neural tissues. <i>Epigenetics</i> , <b>2010</b> , 5, 527-38	5.7	71
59	A new tool for the rapid cloning of amplified and hypermethylated human DNA sequences from restriction landmark genome scanning gels. <i>Genomics</i> , <b>1999</b> , 58, 254-62	4.3	68
58	The study of aberrant methylation in cancer via restriction landmark genomic scanning. <i>Oncogene</i> , <b>2002</b> , 21, 5414-26	9.2	66
57	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> , <b>2008</b> , 6, 1365-74	6.6	62
56	The Genomic Impact of DNA CpG Methylation on Gene Expression; Relationships in Prostate Cancer. <i>Biomolecules</i> , <b>2017</b> , 7,	5.9	61
55	Identification of novel methylation markers in cervical cancer using restriction landmark genomic scanning. <i>Cancer Research</i> , <b>2008</b> , 68, 2489-97	10.1	60
54	Global methylation profiling of lung cancer identifies novel methylated genes. <i>Neoplasia</i> , <b>2001</b> , 3, 314-23	6.4	60
53	Mild folate deficiency induces genetic and epigenetic instability and phenotype changes in prostate cancer cells. <i>BMC Biology</i> , <b>2010</b> , 8, 6	7.3	56
52	Aberrant hypermethylation of the major breakpoint cluster region in 17p11.2 in medulloblastomas but not supratentorial PNETs. <i>Genes Chromosomes and Cancer</i> , <b>2001</b> , 30, 38-47	5	52
51	Loss of the SMRT/NCOR2 corepressor correlates with JAG2 overexpression in multiple myeloma. <i>Cancer Research</i> , <b>2009</b> , 69, 4380-7	10.1	51
50	Epigenetic DNA methylation of antioxidative stress regulator NRF2 in human prostate cancer. <i>Cancer Prevention Research</i> , <b>2014</b> , 7, 1186-97	3.2	50
49	Restriction landmark genome scanning. <i>Methods</i> , <b>2002</b> , 27, 144-9	4.6	47
48	Epigenetic silencing of the kinase tumor suppressor WNK2 is tumor-type and tumor-grade specific. <i>Neuro-Oncology</i> , <b>2009</b> , 11, 414-22	1	43
47	Differential targets of CpG island hypermethylation in primary and metastatic head and neck squamous cell carcinoma (HNSCC). <i>Journal of Medical Genetics</i> , <b>2003</b> , 40, 25-33	5.8	43
46	Polyamine biosynthesis impacts cellular folate requirements necessary to maintain S-adenosylmethionine and nucleotide pools. <i>FASEB Journal</i> , <b>2009</b> , 23, 2888-97	0.9	42
45	DNA copy number gains in head and neck squamous cell carcinoma. <i>Oncogene</i> , <b>2006</b> , 25, 1424-33	9.2	42
44	Recruitment of NCOR1 to VDR target genes is enhanced in prostate cancer cells and associates with altered DNA methylation patterns. <i>Carcinogenesis</i> , <b>2013</b> , 34, 248-56	4.6	41
43	DNA methylation pathway alterations in an autochthonous murine model of prostate cancer. <i>Cancer Research</i> , <b>2006</b> , 66, 11659-67	10.1	39

42	Gene amplification in PNETs/medulloblastomas: mapping of a novel amplified gene within the MYCN amplicon. <i>Journal of Medical Genetics</i> , <b>2000</b> , 37, 501-9	5.8	38
41	Dietary folate deficiency blocks prostate cancer progression in the TRAMP model. <i>Cancer Prevention Research</i> , <b>2011</b> , 4, 1825-34	3.2	35
40	Restriction landmark genomic scanning (RLGS) spot identification by second generation virtual RLGS in multiple genomes with multiple enzyme combinations. <i>BMC Genomics</i> , <b>2007</b> , 8, 446	4.5	35
39	Developmental programming in skeletal muscle in response to overnourishment in the immediate postnatal life in rats. <i>Journal of Nutritional Biochemistry</i> , <b>2013</b> , 24, 1859-69	6.3	34
38	Identification of DNA methylation in 3Tgenomic regions that are associated with upregulation of gene expression in colorectal cancer. <i>Epigenetics</i> , <b>2007</b> , 2, 161-72	5.7	33
37	Dietary Protein Restriction Reprograms Tumor-Associated Macrophages and Enhances Immunotherapy. <i>Clinical Cancer Research</i> , <b>2018</b> , 24, 6383-6395	12.9	33
36	Internally ratiometric fluorescent sensors for evaluation of intracellular GTP levels and distribution. <i>Nature Methods</i> , <b>2017</b> , 14, 1003-1009	21.6	32
35	The miR-96 and RAR $\beta$ signaling axis governs androgen signaling and prostate cancer progression. <i>Oncogene</i> , <b>2019</b> , 38, 421-444	9.2	27
34	Epigenetic changes in hypothalamic appetite regulatory genes may underlie the developmental programming for obesity in rat neonates subjected to a high-carbohydrate dietary modification. <i>Journal of Developmental Origins of Health and Disease</i> , <b>2013</b> , 4, 479-90	2.4	26
33	Hormone stimulation of androgen receptor mediates dynamic changes in DNA methylation patterns at regulatory elements. <i>Oncotarget</i> , <b>2015</b> , 6, 42575-89	3.3	26
32	Gene silencing of SLC5A8 identified by genome-wide methylation profiling in lung cancer. <i>Lung Cancer</i> , <b>2013</b> , 79, 198-204	5.9	21
31	Pan-cancer molecular analysis of the RB tumor suppressor pathway. <i>Communications Biology</i> , <b>2020</b> , 3, 158	6.7	20
30	Gene silencing associated with SWI/SNF complex loss during NSCLC development. <i>Molecular Cancer Research</i> , <b>2014</b> , 12, 560-70	6.6	20
29	An Ascl boundary library for the studies of genetic and epigenetic alterations in CpG islands. <i>Genome Research</i> , <b>2002</b> , 12, 1591-8	9.7	20
28	Inhibition of the aryl hydrocarbon receptor/polyamine biosynthesis axis suppresses multiple myeloma. <i>Journal of Clinical Investigation</i> , <b>2018</b> , 128, 4682-4696	15.9	20
27	Biomarkers of Exposure and Effect in the Lungs of Smokers, Nonsmokers, and Electronic Cigarette Users. <i>Cancer Epidemiology Biomarkers and Prevention</i> , <b>2020</b> , 29, 443-451	4	20
26	The essential role of methylthioadenosine phosphorylase in prostate cancer. <i>Oncotarget</i> , <b>2016</b> , 7, 14380-393	3.9	19
25	Restriction landmark genomic scanning: analysis of CpG islands in genomes by 2D gel electrophoresis. <i>Methods in Molecular Biology</i> , <b>2009</b> , 507, 131-48	1.4	17

24	Pharmacological polyamine catabolism upregulation with methionine salvage pathway inhibition as an effective prostate cancer therapy. <i>Nature Communications</i> , <b>2020</b> , 11, 52	17.4	17
23	Aberrant hypermethylation of the major breakpoint cluster region in 17p11.2 in medulloblastomas but not supratentorial PNETs. <i>Genes Chromosomes and Cancer</i> , <b>2001</b> , 30, 38-47	5	17
22	Prostate-specific membrane antigen expression is a potential prognostic marker in endometrial adenocarcinoma. <i>Cancer Epidemiology Biomarkers and Prevention</i> , <b>2008</b> , 17, 571-7	4	16
21	Genome-wide analysis of DNA methylation changes in human malignancies. <i>Current Topics in Microbiology and Immunology</i> , <b>2006</b> , 310, 179-98	3.3	16
20	Phenotype-specific CpG island methylation events in a murine model of prostate cancer. <i>Cancer Research</i> , <b>2008</b> , 68, 4173-82	10.1	15
19	DNA methylation and breast tumor clinicopathological features: The Western New York Exposures and Breast Cancer (WEB) study. <i>Epigenetics</i> , <b>2016</b> , 11, 643-652	5.7	14
18	KLLN epigenotype-phenotype associations in Cowden syndrome. <i>European Journal of Human Genetics</i> , <b>2015</b> , 23, 1538-43	5.3	14
17	Epigenetic distortion to VDR transcriptional regulation in prostate cancer cells. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , <b>2013</b> , 136, 258-63	5.1	12
16	The development of CpG island methylation biomarkers using restriction landmark genomic scanning. <i>Annals of the New York Academy of Sciences</i> , <b>2003</b> , 983, 110-9	6.5	12
15	Adult-onset obesity induced by early life overnutrition could be reversed by moderate caloric restriction. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2013</b> , 305, E785-94	6	11
14	LSD1 dual function in mediating epigenetic corruption of the vitamin D signaling in prostate cancer. <i>Clinical Epigenetics</i> , <b>2017</b> , 9, 82	7.7	10
13	Dietary folate levels alter the kinetics and molecular mechanism of prostate cancer recurrence in the CWR22 model. <i>Oncotarget</i> , <b>2017</b> , 8, 103758-103774	3.3	10
12	Physical characterization of the chromosomal rearrangements that accompany the transgene insertion in the chakragati mouse mutant. <i>Genomics</i> , <b>1997</b> , 45, 562-71	4.3	9
11	Genetic characterization of the chromosomal rearrangements that accompany the transgene insertion in the chakragati mouse mutant. <i>Genomics</i> , <b>1997</b> , 45, 572-9	4.3	9
10	Contour area filtering of two-dimensional electrophoresis images. <i>Medical Image Analysis</i> , <b>2006</b> , 10, 353-64	5.4	9
9	A methyl-sensitive element induces bidirectional transcription in TATA-less CpG island-associated promoters. <i>PLoS ONE</i> , <b>2018</b> , 13, e0205608	3.7	7
8	Metastatic phenotype in CWR22 prostate cancer xenograft following castration. <i>Prostate</i> , <b>2016</b> , 76, 359-68	4.8	5
7	Reduced NCOR2 expression accelerates androgen deprivation therapy failure in prostate cancer.. <i>Cell Reports</i> , <b>2021</b> , 37, 110109	10.6	4

6	Dynamic patterns of DNA methylation in the normal prostate epithelial differentiation program are targets of aberrant methylation in prostate cancer. <i>Scientific Reports</i> , <b>2021</b> , 11, 11405	4.9	2
5	DNA Methylation and Smoking: Implications for Understanding Effects of Electronic Cigarettes. <i>Current Epidemiology Reports</i> , <b>2019</b> , 6, 148-161	2.9	1
4	Pan-cancer analysis of transcriptional metabolic dysregulation using The Cancer Genome Atlas		1
3	Discovering DNA Methylation Differences with Restriction Landmark Genomic Scanning <b>2004</b> , 95-112		
2	SMRT; Not So Smart in Multiple Myeloma.. <i>Blood</i> , <b>2007</b> , 110, 4137-4137	2.2	
1	Adult-onset obesity induced by early life overnutrition could be reversed by caloric restriction. <i>FASEB Journal</i> , <b>2013</b> , 27, 640.2	0.9	