Arthur D Riggs

List of Publications by Year in Descending Order

200 papers	21,476 citations	73 h-index	144 g-index
204 ext. papers	22,938 ext. citations	10.7 avg, IF	6.5 L-index

#	Paper	IF	Citations
200	Intestinal AMPK modulation of microbiota mediates crosstalk with brown fat to control thermogenesis.. *Nature Communications*, **2022**, 13, 1135	17.4	2
199	Making, Cloning, and the Expression of Human Insulin Genes in Bacteria: The Path to Humulin. *Endocrine Reviews*, **2021**, 42, 374-380	27.2	11
198	Tolerogenic anti-IL-2 mAb prevents graft-versus-host disease while preserving strong graft-versus-leukemia activity. *Blood*, **2021**, 137, 2243-2255	2.2	1
197	Tissue-resident PSGL1loCD4+ T cells promote B cell differentiation and chronic graft-versus-host disease-associated autoimmunity. *Journal of Clinical Investigation*, **2021**, 131,	15.9	10
196	Comparative transcriptomic analysis of SARS-CoV-2 infected cell model systems reveals differential innate immune responses. *Scientific Reports*, **2021**, 11, 17146	4.9	4
195	Haploidentical mixed chimerism cures autoimmunity in established type 1 diabetic mice. *Journal of Clinical Investigation*, **2020**, 130, 6457-6476	15.9	2
194	G-Quadruplex Helicase DHX36/G4R1 Engages Nuclear Lamina Proteins in Quiescent Breast Cancer Cells. *ACS Omega*, **2020**, 5, 24916-24926	3.9	0
193	DNA methylation mediates development of HbA1c-associated complications in type 1 diabetes. *Nature Metabolism*, **2020**, 2, 744-762	14.6	17
192	Reversal of autoimmunity by mixed chimerism enables reactivation of □cells and transdifferentiation of □cells in diabetic NOD mice. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 31219-31230	11.5	4
191	Elimination of human folypolyglutamate synthetase alters programming and plasticity of somatic cells. *FASEB Journal*, **2019**, 33, 13747-13761	0.9	3
190	SMC1A is associated with radioresistance in prostate cancer and acts by regulating epithelial-mesenchymal transition and cancer stem-like properties. *Molecular Carcinogenesis*, **2019**, 58, 113-125	5	17
189	MHC-mismatched mixed chimerism restores peripheral tolerance of noncross-reactive autoreactive T cells in NOD mice. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, E2329-E2337	11.5	5
188	Differences in silencing of mismatched targets by sliced versus diced siRNAs. *Nucleic Acids Research* , **2018**, 46, 6806-6822	20.1	6
187	Rlip depletion prevents spontaneous neoplasia in TP53 null mice. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 3918-3923	11.5	19
186	GFAP Mutations in Astrocytes Impair Oligodendrocyte Progenitor Proliferation and Myelination in an hiPSC Model of Alexander Disease. *Cell Stem Cell*, **2018**, 23, 239-251.e6	18	65
185	A stress-induced response complex (SIRC) shuttles miRNAs, siRNAs, and oligonucleotides to the nucleus. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, E5756-E5765	11.5	20
184	Bioenergetic modulation with the mitochondria uncouplers SR4 and niclosamide prevents proliferation and growth of treatment-na□e and vemurafenib-resistant melanomas. *Oncotarget*, **2018**, 9, 36945-36965	3.3	11

183	Frequent monoallelic or skewed expression for developmental genes in CNS-derived cells and evidence for balancing selection. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, E10379-E10386	11.5	7
182	mA RNA Methylation Regulates the Self-Renewal and Tumorigenesis of Glioblastoma Stem Cells. *Cell Reports*, **2017**, 18, 2622-2634	10.6	656
181	A Simple and Cost-Effective Approach for In Vitro Production of Sliced siRNAs as Potent Triggers for RNAi. *Molecular Therapy - Nucleic Acids*, **2017**, 8, 345-355	10.7	5
180	Analysis of high-resolution 3D intrachromosomal interactions aided by Bayesian network modeling. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, E10359-E10368	11.5	8
179	SAIC: an iterative clustering approach for analysis of single cell RNA-seq data. *BMC Genomics*, **2017**, 18, 689	4.5	19
178	The TLX-miR-219 cascade regulates neural stem cell proliferation in neurodevelopment and schizophrenia iPSC model. *Nature Communications*, **2016**, 7, 10965	17.4	75
177	In Vitro Colony Assays for Characterizing Tri-potent Progenitor Cells Isolated from the Adult Murine Pancreas. *Journal of Visualized Experiments*, **2016**,	1.6	3
176	Mapping Human Pluripotent-to-Cardiomyocyte Differentiation: Methylomes, Transcriptomes, and Exon DNA Methylation "Memories". *EBioMedicine*, **2016**, 4, 74-85	8.8	27
175	Cells with surface expression of CD133highCD71low are enriched for tripotent colony-forming progenitor cells in the adult murine pancreas. *Stem Cell Research*, **2016**, 16, 40-53	1.6	20
174	Downregulation of TLX induces TET3 expression and inhibits glioblastoma stem cell self-renewal and tumorigenesis. *Nature Communications*, **2016**, 7, 10637	17.4	54
173	Growth factors and medium hyperglycemia induce Sox9+ ductal cell differentiation into β cells in mice with reversal of diabetes. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 650-5	11.5	42
172	Epigenomic profiling reveals an association between persistence of DNA methylation and metabolic memory in the DCCT/EDIC type 1 diabetes cohort. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, E3002-11	11.5	132
171	Small-Molecule-Based Lineage Reprogramming Creates Functional Astrocytes. *Cell Reports*, **2016**, 16, 781-92	10.6	38
170	Postnatal Pancreas of Mice Contains Tripotent Progenitors Capable of Giving Rise to Duct, Acinar, and Endocrine Cells In Vitro. *Stem Cells and Development*, **2015**, 24, 1995-2008	4.4	10
169	An epigenetic perspective on the failing heart and pluripotent-derived-cardiomyocytes for cell replacement therapy. *Frontiers in Biology*, **2015**, 10, 11-27		4
168	2RHydroxyflavanone: A promising molecule for kidney cancer prevention. *Biochemical Pharmacology*, **2015**, 96, 151-8	6	12
167	MHC-mismatched mixed chimerism augments thymic regulatory T-cell production and prevents relapse of EAE in mice. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 15994-9	11.5	7
166	SR4 Uncouples Mitochondrial Oxidative Phosphorylation, Modulates AMP-dependent Kinase (AMPK)-Mammalian Target of Rapamycin (mTOR) Signaling, and Inhibits Proliferation of HepG2 Hepatocarcinoma Cells. *Journal of Biological Chemistry*, **2015**, 290, 30321-41	5.4	25

165	Epigenetics and Evolution: Transposons and the Stochastic Epigenetic Modification Model. *AIMS Genetics*, **2015**, 02, 148-162	2.1	7
164	Evaluating the role of epigenetic histone modifications in the metabolic memory of type 1 diabetes. *Diabetes*, **2014**, 63, 1748-62	0.9	159
163	Enhanced evolution by stochastically variable modification of epigenetic marks in the early embryo. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 6353-8	11.5	15
162	In vitro multilineage differentiation and self-renewal of single pancreatic colony-forming cells from adult C57BL/6 mice. *Stem Cells and Development*, **2014**, 23, 899-909	4.4	20
161	Colony-forming progenitor cells in the postnatal mouse liver and pancreas give rise to morphologically distinct insulin-expressing colonies in 3D cultures. *Review of Diabetic Studies*, **2014**, 11, 35-50	3.6	6
160	MicroRNA-26a targets ten eleven translocation enzymes and is regulated during pancreatic cell differentiation. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 17892-7	11.5	104
159	The histone methyltransferase KMT2B is required for RNA polymerase II association and protection from DNA methylation at the MagohB CpG island promoter. *Molecular and Cellular Biology*, **2013**, 33, 1383-93	4.8	30
158	Regulation of adipose tissue T cell subsets by Stat3 is crucial for diet-induced obesity and insulin resistance. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 13079-84	11.5	81
157	COHCAP: an integrative genomic pipeline for single-nucleotide resolution DNA methylation analysis. *Nucleic Acids Research*, **2013**, 41, e117	20.1	71
156	Colony-forming cells in the adult mouse pancreas are expandable in Matrigel and form endocrine/acinar colonies in laminin hydrogel. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 3907-12	11.5	85
155	DNA methylation biomarkers for lung cancer. *Tumor Biology*, **2012**, 33, 287-96	2.9	96
154	Identification of Oct4-activating compounds that enhance reprogramming efficiency. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 20853-8	11.5	53
153	Epigenetic stability, adaptability, and reversibility in human embryonic stem cells. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 12544-9	11.5	40
152	Acetylated STAT3 is crucial for methylation of tumor-suppressor gene promoters and inhibition by resveratrol results in demethylation. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 7765-9	11.5	166
151	Inhibition of S-phase kinase-associated protein 2 (Skp2) reprograms and converts diabetogenic T cells to Foxp3+ regulatory T cells. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 9493-8	11.5	14
150	PAP-LMPCR: an improved, sequence-selective method for the in vivo analysis of transcription factor occupancy and chromatin fine structure. *Methods in Molecular Biology*, **2011**, 687, 177-92	1.4	
149	DNA methylation and demethylation in mammals. *Journal of Biological Chemistry*, **2011**, 286, 18347-53	5.4	275
148	Killer cell Ig-like receptor (KIR) 3DL1 down-regulation enhances inhibition of type 1 diabetes by autoantigen-specific regulatory T cells. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 2016-21	11.5	20

147	Genome-wide analysis of histone lysine methylation variations caused by diabetic conditions in human monocytes.. *Journal of Biological Chemistry*, **2010**, 285, 14841	5.4	2
146	CpG island clusters and pro-epigenetic selection for CpGs in protein-coding exons of HOX and other transcription factors. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 15485-90	11.5	46
145	CRM1 mediates nuclear-cytoplasmic shuttling of mature microRNAs. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 21655-9	11.5	86
144	A human B cell methylome at 100-base pair resolution. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 671-8	11.5	291
143	High-resolution mapping of DNA hypermethylation and hypomethylation in lung cancer. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 252-7	11.5	284
142	Methylation of polycomb target genes in intestinal cancer is mediated by inflammation. *Cancer Research*, **2008**, 68, 10280-9	10.1	172
141	Histone methylation patterns are cell-type specific in human monocytes and lymphocytes and well maintained at core genes. *Journal of Immunology*, **2008**, 180, 2264-9	5.3	35
140	X-inactivation in female human embryonic stem cells is in a nonrandom pattern and prone to epigenetic alterations. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 4709-14	11.5	173
139	Analysis of RNA structure and RNA-protein interactions in mammalian cells by use of terminal transferase-dependent PCR. *Methods in Molecular Biology*, **2008**, 488, 319-41	1.4	1
138	Nucleotide excision repair eliminates unique DNA-protein cross-links from mammalian cells. *Journal of Biological Chemistry*, **2007**, 282, 22592-604	5.4	76
137	Genome-wide analysis of histone lysine methylation variations caused by diabetic conditions in human monocytes. *Journal of Biological Chemistry*, **2007**, 282, 13854-63	5.4	136
136	Homeobox gene methylation in lung cancer studied by genome-wide analysis with a microarray-based methylated CpG island recovery assay. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 5527-32	11.5	235
135	Methylated-CpG island recovery assay-assisted microarrays for cancer diagnosis. *Expert Opinion on Medical Diagnostics*, **2007**, 1, 99-108		
134	Combinatorial delivery of small interfering RNAs reduces RNAi efficacy by selective incorporation into RISC. *Nucleic Acids Research*, **2007**, 35, 5154-64	20.1	223
133	Mutations in DNA methyltransferase DNMT3B in ICF syndrome affect its regulation by DNMT3L. *Human Molecular Genetics*, **2006**, 15, 1375-85	5.6	46
132	The histone methyltransferase SETDB1 and the DNA methyltransferase DNMT3A interact directly and localize to promoters silenced in cancer cells. *Journal of Biological Chemistry*, **2006**, 281, 19489-500	5.4	230
131	The antisense strand of small interfering RNAs directs histone methylation and transcriptional gene silencing in human cells. *Rna*, **2006**, 12, 256-62	5.8	227
130	HnRNP H inhibits nuclear export of mRNA containing expanded CUG repeats and a distal branch point sequence. *Nucleic Acids Research*, **2005**, 33, 3866-74	20.1	72

129	Rapid, solid-phase based automated analysis of chromatin structure and transcription factor occupancy in living eukaryotic cells. *Nucleic Acids Research*, **2005**, 33, e1	20.1	9
128	Maintenance and regulation of DNA methylation patterns in mammals. *Biochemistry and Cell Biology*, **2005**, 83, 438-48	3.6	71
127	Inhibition of Atm and/or Atr disrupts gene silencing on the inactive X chromosome. *Biochemical and Biophysical Research Communications*, **2005**, 337, 875-80	3.4	13
126	Multipotent progenitor cells isolated from adult human pancreatic tissue. *Transplantation Proceedings*, **2005**, 37, 3420-1	1.1	4
125	Inhibition of p38 mitogen-activated protein kinase protects human islets from cryoinjury and improves the yield, viability, and quality of frozen-thawed islets. *Transplantation Proceedings*, **2005**, 37, 3422-3	1.1	2
124	Physical and functional interactions between the human DNMT3L protein and members of the de novo methyltransferase family. *Journal of Cellular Biochemistry*, **2005**, 95, 902-17	4.7	165
123	Epigenetic changes and repositioning determine the evolutionary fate of duplicated genes. *Biochemistry (Moscow)*, **2005**, 70, 559-67	2.9	19
122	Repositioning-dependent fate of duplicate genes. *DNA and Cell Biology*, **2005**, 24, 529-42	3.6	23
121	DNA lesions induced by UV A1 and B radiation in human cells: comparative analyses in the overall genome and in the p53 tumor suppressor gene. *Proceedings of the National Academy of Sciences of the United States of America*, **2005**, 102, 10058-63	11.5	121
120	Methylation and epigenetic fidelity. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 4-5	11.5	88
119	Dynamic reorganization of chromatin structure and selective DNA demethylation prior to stable enhancer complex formation during differentiation of primary hematopoietic cells in vitro. *Blood*, **2004**, 103, 2950-5	2.2	60
118	High concentrations of long interspersed nuclear element sequence distinguish monoallelically expressed genes. *Proceedings of the National Academy of Sciences of the United States of America*, **2003**, 100, 9940-5	11.5	113
117	Epigenetic silencing may aid evolution by gene duplication. *Journal of Molecular Evolution*, **2003**, 56, 718-29	3.2	96
116	Developmentally regulated recruitment of transcription factors and chromatin modification activities to chicken lysozyme cis-regulatory elements in vivo. *Molecular and Cellular Biology*, **2003**, 23, 4386-400	4.8	52
115	Transcription factor complex formation and chromatin fine structure alterations at the murine c-fms (CSF-1 receptor) locus during maturation of myeloid precursor cells. *Genes and Development*, **2002**, 16, 1721-37	12.6	103
114	DNA affinity capture and protein profiling by SELDI-TOF mass spectrometry: effect of DNA methylation. *Nucleic Acids Research*, **2002**, 30, e69	20.1	21
113	A Functional chromatin domain does not resist X chromosome inactivation: silencing of cLys correlates with methylation of a dual promoter-replication origin. *Molecular and Cellular Biology*, **2002**, 22, 4667-76	4.8	13
112	The chicken lysozyme chromatin domain contains a second, widely expressed gene. *Nucleic Acids Research*, **2002**, 30, 463-7	20.1	26

111	X chromosome inactivation, differentiation, and DNA methylation revisited, with a tribute to Susumu Ohno. *Cytogenetic and Genome Research*, **2002**, 99, 17-24	1.9	34
110	Deletion of a direct repeat element has no effect on Igf2 and H19 imprinting. *Mammalian Genome*, **2001**, 12, 873-6	3.2	26
109	Detection of antisense and ribozyme accessible sites on native mRNAs: application to NCOA3 mRNA. *Molecular Therapy*, **2001**, 4, 454-60	11.7	35
108	A complex duplication created by gene targeting at the imprinted H19 locus results in two classes of methylation and correlated Igf2 expression phenotypes. *Genomics*, **2001**, 74, 186-96	4.3	8
107	Mapping psoralen cross-links at the nucleotide level in mammalian cells: suppression of cross-linking at transcription factor- or nucleosome-binding sites. *Biochemistry*, **2001**, 40, 4096-105	3.2	20
106	Ligation-mediated PCR for quantitative in vivo footprinting. *Nature Biotechnology*, **2000**, 18, 1108-11	44.5	49
105	In vivo, high-resolution analysis of yeast and mammalian RNA-protein interactions, RNA structure, RNA splicing and ribozyme cleavage by use of terminal transferase-dependent PCR. *Nucleic Acids Research*, **2000**, 28, 1656-64	20.1	15
104	Oligonucleotide scanning of native mRNAs in extracts predicts intracellular ribozyme efficiency: ribozyme-mediated reduction of the murine DNA methyltransferase. *Molecular Therapy*, **2000**, 2, 26-38	11.7	26
103	Use of terminal transferase-dependent antisense RNA amplification to determine the transcription start site of the Snrpn gene in individual neurons. *Nucleic Acids Research*, **2000**, 28, E25	20.1	8
102	Chromatin fine structure profiles for a developmentally regulated gene: reorganization of the lysozyme locus before trans-activator binding and gene expression. *Genes and Development*, **2000**, 14, 2106-2122	12.6	66
101	Chromatin structure analysis by ligation-mediated and terminal transferase-mediated polymerase chain reaction. *Methods in Enzymology*, **1999**, 304, 548-71	1.7	49
100	The p53 codon 249 mutational hotspot in hepatocellular carcinoma is not related to selective formation or persistence of aflatoxin B1 adducts. *Oncogene*, **1998**, 17, 3007-14	9.2	90
99	Methylation dynamics, epigenetic fidelity and X chromosome structure. *Novartis Foundation Symposium*, **1998**, 214, 214-25; discussion 225-32		46
98	Differential replication timing of X-linked genes measured by a novel method using single-nucleotide primer extension. *Nucleic Acids Research*, **1998**, 26, 684-6	20.1	12
97	Terminal transferase-dependent PCR: a versatile and sensitive method for in vivo footprinting and detection of DNA adducts. *Nucleic Acids Research*, **1998**, 26, 1807-11	20.1	53
96	In vivo ultraviolet and dimethyl sulfate footprinting of the 5R region of the expressed and silent Xist alleles. *Journal of Biological Chemistry*, **1997**, 272, 10975-80	5.4	21
95	Structure of the imprinted mouse Snrpn gene and establishment of its parental-specific methylation pattern. *Proceedings of the National Academy of Sciences of the United States of America*, **1997**, 94, 10267-72	11.5	180
94	Polymerase Chain Reaction-Aided Genomic Footprinting: Principles and Applications. *Advances in Molecular and Cell Biology*, **1997**, 47-72		1

93	Ligation-mediated PCR for chromatin-structure analysis of interphase and metaphase chromatin. *Methods*, **1997**, 11, 253-63	4.6	19
92	Dynamic methylation adjustment and counting as part of imprinting mechanisms. *Proceedings of the National Academy of Sciences of the United States of America*, **1996**, 93, 6371-6	11.5	73
91	Tiggers and DNA transposon fossils in the human genome. *Proceedings of the National Academy of Sciences of the United States of America*, **1996**, 93, 1443-8	11.5	352
90	Genomic sequencing by ligation-mediated PCR. *Molecular Biotechnology*, **1996**, 5, 281-8	3	15
89	Preparation of spermatogonia, spermatocytes, and round spermatids for analysis of gene expression using fluorescence-activated cell sorting. *Biology of Reproduction*, **1995**, 53, 1003-11	3.9	74
88	MIRs are classic, tRNA-derived SINEs that amplified before the mammalian radiation. *Nucleic Acids Research*, **1995**, 23, 98-102	20.1	203
87	Mouse endogenous X-linked genes do not show lineage-specific delayed inactivation during development. *Genetical Research*, **1995**, 65, 223-7	1.1	20
86	Ancestral, mammalian-wide subfamilies of LINE-1 repetitive sequences. *Journal of Molecular Biology*, **1995**, 246, 401-417	6.5	310
85	Metaphase chromosome analysis by ligation-mediated PCR: heritable chromatin structure and a comparison of active and inactive X chromosomes. *Proceedings of the National Academy of Sciences of the United States of America*, **1995**, 92, 2379-83	11.5	26
84	Genomic sequencing. *Methods in Molecular Biology*, **1993**, 23, 169-81	1.4	12
83	Quantitative analysis of messenger RNA levels: reverse transcription-polymerase chain reaction single nucleotide primer extension assay. *Methods in Enzymology*, **1993**, 225, 344-51	1.7	25
82	Genomic footprinting by ligation mediated polymerase chain reaction. *Methods in Molecular Biology* , **1993**, 15, 153-68	1.4	10
81	X chromosome inactivation and DNA methylation. *Exs*, **1993**, 64, 358-84		52
80	Analysis of methylation and chromatin structure. *Methods in Enzymology*, **1993**, 225, 567-83	1.7	31
79	Methylation analysis by genomic sequencing of 5′ region of mouse Pgk-1 gene and a cautionary note concerning the method. *Somatic Cell and Molecular Genetics*, **1993**, 19, 529-41		26
78	A sensitive, quantitative assay for measurement of allele-specific transcripts differing by a single nucleotide. *Genome Research*, **1992**, 1, 160-3	9.7	72
77	Extension product capture improves genomic sequencing and DNase I footprinting by ligation-mediated PCR. *Nucleic Acids Research*, **1992**, 20, 5487-8	20.1	35
76	Parental imprinting studied by allele-specific primer extension after PCR: paternal X chromosome-linked genes are transcribed prior to preferential paternal X chromosome inactivation. *Proceedings of the National Academy of Sciences of the United States of America*, **1992**, 89, 10469-73	11.5	65

75	A potentially critical Hpa II site of the X chromosome-linked PGK1 gene is unmethylated prior to the onset of meiosis of human oogenic cells. *Proceedings of the National Academy of Sciences of the United States of America*, **1992**, 89, 1413-7	11.5	27
74	Gene mapping studies confirm the homology between the platypus X and echidna X1 chromosomes and identify a conserved ancestral monotreme X chromosome. *Chromosoma*, **1992**, 101, 596-601	2.8	9
73	X-chromosome inactivation and cell memory. *Trends in Genetics*, **1992**, 8, 169-74	8.5	238
72	Sex chromosome evolution: platypus gene mapping suggests that part of the human X chromosome was originally autosomal. *Proceedings of the National Academy of Sciences of the United States of America*, **1991**, 88, 11256-60	11.5	58
71	Chromatin differences between active and inactive X chromosomes revealed by genomic footprinting of permeabilized cells using DNase I and ligation-mediated PCR. *Genes and Development*, **1991**, 5, 1102-13	12.6	170
70	In vivo mapping of a DNA adduct at nucleotide resolution: detection of pyrimidine (6-4) pyrimidone photoproducts by ligation-mediated polymerase chain reaction. *Proceedings of the National Academy of Sciences of the United States of America*, **1991**, 88, 1374-8	11.5	167
69	A quantitative HpaII-PCR assay to measure methylation of DNA from a small number of cells. *Nucleic Acids Research*, **1990**, 18, 687	20.1	138
68	The X chromosome of monotremes shares a highly conserved region with the eutherian and marsupial X chromosomes despite the absence of X chromosome inactivation. *Proceedings of the National Academy of Sciences of the United States of America*, **1990**, 87, 7125-9	11.5	52
67	In vivo footprint and methylation analysis by PCR-aided genomic sequencing: comparison of active and inactive X chromosomal DNA at the CpG island and promoter of human PGK-1. *Genes and Development*, **1990**, 4, 1277-87	12.6	214
66	Polymerase chain reaction-aided genomic sequencing of an X chromosome-linked CpG island: methylation patterns suggest clonal inheritance, CpG site autonomy, and an explanation of activity state stability. *Proceedings of the National Academy of Sciences of the United States of America*, **1990**, 87, 8252-6	11.5	238
65	Measurement by quantitative PCR of changes in HPRT, PGK-1, PGK-2, APRT, MTase, and Zfy gene transcripts during mouse spermatogenesis. *Nucleic Acids Research*, **1990**, 18, 1255-9	20.1	223
64	PCR-aided DNaseI footprinting of single copy gene sequences in permeabilized cells. *Nucleic Acids Research*, **1990**, 18, 5902	20.1	19
63	Ligation-mediated PCR improves the sensitivity of methylation analysis by restriction enzymes and detection of specific DNA strand breaks. *Nucleic Acids Research*, **1990**, 18, 1435-9	20.1	48
62	DNA methylation and cell memory. *Cell Biophysics*, **1989**, 15, 1-13		48
61	Genomic sequencing and methylation analysis by ligation mediated PCR. *Science*, **1989**, 246, 810-3	33.3	420
60	Marsupials and Mechanisms of X-Chromosome Inactivation. *Australian Journal of Zoology*, **1989**, 37, 419	0.5	30
59	Carcinogenicity and haemoglobin synthesis induction by cytidine analogues. *British Journal of Cancer*, **1988**, 57, 395-402	8.7	41
58	DNA binding factors for the CpG-rich island containing the promoter of the human X-linked PGK gene. *Somatic Cell and Molecular Genetics*, **1988**, 14, 461-72		14

57	Molecular cloning of a gene belonging to the carcinoembryonic antigen gene family and discussion of a domain model. *Proceedings of the National Academy of Sciences of the United States of America*, **1987**, 84, 2965-9	11.5	72
56	Site-directed mutagenesis of glutamate-190 in the hinge region of yeast 3-phosphoglycerate kinase: implications for the mechanism of domain movement. *Biochemistry*, **1987**, 26, 5369-77	3.2	38
55	Determinator-inhibitor pairs as a mechanism for threshold setting in development: a possible function for pseudogenes. *Proceedings of the National Academy of Sciences of the United States of America*, **1986**, 83, 679-83	11.5	42
54	Active human-yeast chimeric phosphoglycerate kinases engineered by domain interchange. *Science*, **1986**, 233, 788-90	33.3	59
53	Evolutionary conservation of the substrate-binding cleft of phosphoglycerate kinases. *FEBS Letters*, **1986**, 204, 313-7	3.8	53
52	The nucleotide sequence of a cDNA clone containing the entire coding region for mouse X-chromosome-linked phosphoglycerate kinase. *Gene*, **1986**, 45, 275-80	3.8	41
51	Purification of human DNA (cytosine-5-)-methyltransferase. *Journal of Cellular Biochemistry*, **1985**, 29, 337-49	4.7	49
50	Immunoglobulin transcripts and molecular history of a hybridoma that produces antibody to carcinoembryonic antigen. *Gene*, **1985**, 40, 157-61	3.8	25
49	Differences in methylation on the active and inactive human X chromosomes. *Annals of Human Genetics*, **1985**, 49, 115-27	2.2	47
48	The tumorigenicity of 5-azacytidine in the male Fischer rat. *Carcinogenesis*, **1984**, 5, 1583-90	4.6	125
47	Studies of protein function by various mutagenic strategies: beta-lactamase. *Annals of the New York Academy of Sciences*, **1984**, 434, 232-8	6.5	1
46	Sequence of the promoter region of the gene for human X-linked 3-phosphoglycerate kinase. *Gene*, **1984**, 32, 409-17	3.8	198
45	Cloning and physical mapping of a gene fragment coding for a 64-kilodalton major late antigen of human cytomegalovirus. *Proceedings of the National Academy of Sciences of the United States of America*, **1984**, 81, 4965-9	11.5	43
44	Generation of antibody activity from immunoglobulin polypeptide chains produced in Escherichia coli. *Proceedings of the National Academy of Sciences of the United States of America*, **1984**, 81, 3273-7	11.5	139
43	Directed mutagenesis as a technique to study protein function: application to beta-lactamase. *Biochemical Society Transactions*, **1984**, 12, 226-8	5.1	3
42	Introduction and General Overview. *Springer Series in Molecular Biology*, **1984**, 1-10		4
41	Mammalian X-chromosome inactivation. *Annual Review of Genetics*, **1983**, 17, 155-90	14.5	553
40	5-methylcytosine, gene regulation, and cancer. *Advances in Cancer Research*, **1983**, 40, 1-30	5.9	365

39	Isolation of a cDNA clone for human X-linked 3-phosphoglycerate kinase by use of a mixture of synthetic oligodeoxyribonucleotides as a detection probe. *Proceedings of the National Academy of Sciences of the United States of America*, **1983**, 80, 802-6	11.5	70
38	Oligonucleotide-directed mutagenesis as a general and powerful method for studies of protein function. *Proceedings of the National Academy of Sciences of the United States of America*, **1982**, 79, 6409-13	11.5	185
37	Expression in Escherichia coli of a chemically synthesized gene for a "mini-C" analog of human proinsulin. *Gene*, **1981**, 16, 63-71	3.8	48
36	Bacterial production of human insulin. *Diabetes Care*, **1981**, 4, 64-8	14.6	25
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