

# Mario F Fraga

## List of Publications by Year in Descending Order

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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.

250  
papers

28,624  
citations

81  
h-index

166  
g-index

269  
ext. papers

31,854  
ext. citations

8.9  
avg, IF

6.72  
L-index

#	Paper	IF	Citations
250	Multi-omic rejuvenation of naturally aged tissues by a single cycle of transient reprogramming.. <i>Aging Cell</i> , <b>2022</b> , e13578	9.9	7
249	Physical exercise shapes the mouse brain epigenome. <i>Molecular Metabolism</i> , <b>2021</b> , 54, 101398	8.8	1
248	Nicotinamide N-methyltransferase: At the crossroads between cellular metabolism and epigenetic regulation. <i>Molecular Metabolism</i> , <b>2021</b> , 45, 101165	8.8	17
247	Conservation of Aging and Cancer Epigenetic Signatures across Human and Mouse. <i>Molecular Biology and Evolution</i> , <b>2021</b> , 38, 3415-3435	8.3	1
246	Epigenetic loss of m1A RNA demethylase ALKBH3 in Hodgkin lymphoma targets collagen, conferring poor clinical outcome. <i>Blood</i> , <b>2021</b> , 137, 994-999	2.2	7
245	Methylation of the Sclerostin Gene in Serum Free DNA: A New Bone Biomarker?. <i>Genetic Testing and Molecular Biomarkers</i> , <b>2021</b> , 25, 42-47	1.6	
244	Integrative methylome-transcriptome analysis unravels cancer cell vulnerabilities in infant MLL-rearranged B cell acute lymphoblastic leukemia. <i>Journal of Clinical Investigation</i> , <b>2021</b> , 131,	15.9	1
243	Epigenetic Deregulation of the Histone Methyltransferase Contributes to Malignant Transformation in Glioblastoma. <i>Frontiers in Cell and Developmental Biology</i> , <b>2021</b> , 9, 671838	5.7	1
242	Epigenetic Profiling and Response to CD19 Chimeric Antigen Receptor T-Cell Therapy in B-Cell Malignancies. <i>Journal of the National Cancer Institute</i> , <b>2021</b> ,	9.7	4
241	Global hyperactivation of enhancers stabilizes human and mouse naive pluripotency through inhibition of CDK8/19 Mediator kinases. <i>Nature Cell Biology</i> , <b>2020</b> , 22, 1223-1238	23.4	17
240	Epigenetic downregulation of TET3 reduces genome-wide 5hmC levels and promotes glioblastoma tumorigenesis. <i>International Journal of Cancer</i> , <b>2020</b> , 146, 373-387	7.5	21
239	No genome-wide DNA methylation changes found associated with medium-term reduced graphene oxide exposure in human lung epithelial cells. <i>Epigenetics</i> , <b>2020</b> , 15, 283-293	5.7	2
238	Epigenetic Deregulation of Protocadherin PCDHGC3 in Pheochromocytomas/Paragangliomas Associated With SDHB Mutations. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2019</b> , 104, 5673-5692 <sup>5,6</sup>	5.6	3
237	Epigenetics and Lifestyle: The Impact of Stress, Diet, and Social Habits on Tissue Homeostasis <b>2019</b> , 461-489		1
236	Epigenetics in cancer therapy and nanomedicine. <i>Clinical Epigenetics</i> , <b>2019</b> , 11, 81	7.7	86
235	Chromatin regulation by Histone H4 acetylation at Lysine 16 during cell death and differentiation in the myeloid compartment. <i>Nucleic Acids Research</i> , <b>2019</b> , 47, 5016-5037	20.1	14
234	Downregulation of specific FBXW7 isoforms with differential effects in T-cell lymphoblastic lymphoma. <i>Oncogene</i> , <b>2019</b> , 38, 4620-4636	9.2	4

233	Epigenetic loss of RNA-methyltransferase NSUN5 in glioma targets ribosomes to drive a stress adaptive translational program. <i>Acta Neuropathologica</i> , <b>2019</b> , 138, 1053-1074	14.3	55
232	Epigenetics: At the Crossroads Between Genetic and Environmental Determinants of Disease <b>2019</b> , 105-128		
231	Natural history and cell of origin of - and mutations in monozygotic twins with concordant BCP-ALL. <i>Blood</i> , <b>2019</b> , 134, 900-905	2.2	16
230	Longitudinal genome-wide DNA methylation analysis uncovers persistent early-life DNA methylation changes. <i>Journal of Translational Medicine</i> , <b>2019</b> , 17, 15	8.5	23
229	SDHC Promoter Methylation, a Novel Pathogenic Mechanism in Parasympathetic Paragangliomas. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2018</b> , 103, 295-305	5.6	6
228	Distinct chromatin signatures of DNA hypomethylation in aging and cancer. <i>Aging Cell</i> , <b>2018</b> , 17, e127449.9		48
227	TERRA recruitment of polycomb to telomeres is essential for histone trymethylation marks at telomeric heterochromatin. <i>Nature Communications</i> , <b>2018</b> , 9, 1548	17.4	67
226	Epigenome-wide analysis reveals specific DNA hypermethylation of T cells during human hematopoietic differentiation. <i>Epigenomics</i> , <b>2018</b> , 10, 903-923	4.4	7
225	Evolutionary routes and KRAS dosage define pancreatic cancer phenotypes. <i>Nature</i> , <b>2018</b> , 554, 62-68	50.4	192
224	Epigenetic prediction of response to anti-PD-1 treatment in non-small-cell lung cancer: a multicentre, retrospective analysis. <i>Lancet Respiratory Medicine</i> , <b>2018</b> , 6, 771-781	35.1	107
223	Loss of 5hmC identifies a new type of aberrant DNA hypermethylation in glioma. <i>Human Molecular Genetics</i> , <b>2018</b> , 27, 3046-3059	5.6	19
222	Epigenetic dysregulation of in human glioblastoma. <i>Oncotarget</i> , <b>2018</b> , 9, 25922-25934	3.3	17
221	Quantification of Global DNA Methylation Levels by Mass Spectrometry. <i>Methods in Molecular Biology</i> , <b>2018</b> , 1708, 49-58	1.4	10
220	DNA methylation reprogramming of human cancer cells by expression of a plant 5-methylcytosine DNA glycosylase. <i>Epigenetics</i> , <b>2018</b> , 13, 95-107	5.7	6
219	Deregulation of the imprinted DLK1-DIO3 locus ncRNAs is associated with replicative senescence of human adipose-derived stem cells. <i>PLoS ONE</i> , <b>2018</b> , 13, e0206534	3.7	4
218	AlzheimerQ disease DNA methylome of pyramidal layers in frontal cortex: laser-assisted microdissection study. <i>Epigenomics</i> , <b>2018</b> , 10, 1365-1382	4.4	13
217	MiR-873-5p acts as an epigenetic regulator in early stages of liver fibrosis and cirrhosis. <i>Cell Death and Disease</i> , <b>2018</b> , 9, 958	9.8	28
216	Discovery of Reversible DNA Methyltransferase and Lysine Methyltransferase G9a Inhibitors with Antitumoral in Vivo Efficacy. <i>Journal of Medicinal Chemistry</i> , <b>2018</b> , 61, 6518-6545	8.3	27

215	The role of 5-hydroxymethylcytosine in development, aging and age-related diseases. <i>Ageing Research Reviews</i> , <b>2017</b> , 37, 28-38	12	41
214	Generation and characterization of a human iPSC cell line expressing inducible Cas9 in the "safe harbor" AAVS1 locus. <i>Stem Cell Research</i> , <b>2017</b> , 21, 137-140	1.6	11
213	Interindividual epigenetic variability: Sound or noise?. <i>BioEssays</i> , <b>2017</b> , 39, 1700055	4.1	14
212	Differential analysis of genome-wide methylation and gene expression in mesenchymal stem cells of patients with fractures and osteoarthritis. <i>Epigenetics</i> , <b>2017</b> , 12, 113-122	5.7	45
211	DNA methylation changes in human lung epithelia cells exposed to multi-walled carbon nanotubes. <i>Nanotoxicology</i> , <b>2017</b> , 11, 857-870	5.3	31
210	Multilayer OMIC Data in Medullary Thyroid Carcinoma Identifies the STAT3 Pathway as a Potential Therapeutic Target in Tumors. <i>Clinical Cancer Research</i> , <b>2017</b> , 23, 1334-1345	12.9	18
209	Altered intragenic DNA methylation of HOOK2 gene in adipose tissue from individuals with obesity and type 2 diabetes. <i>PLoS ONE</i> , <b>2017</b> , 12, e0189153	3.7	15
208	Contribution of JAK2 mutations to T-cell lymphoblastic lymphoma development. <i>Leukemia</i> , <b>2016</b> , 30, 94-103	10.7	22
207	Development Refractoriness of MLL-Rearranged Human B Cell Acute Leukemias to Reprogramming into Pluripotency. <i>Stem Cell Reports</i> , <b>2016</b> , 7, 602-618	8	29
206	HERG1A potassium channel is the predominant isoform in head and neck squamous cell carcinomas: evidence for regulation by epigenetic mechanisms. <i>Scientific Reports</i> , <b>2016</b> , 6, 19666	4.9	7
205	Generation of a human iPSC line from a patient with a mitochondrial encephalopathy due to mutations in the GFM1 gene. <i>Stem Cell Research</i> , <b>2016</b> , 16, 124-7	1.6	7
204	Quantitative comparison of DNA methylation assays for biomarker development and clinical applications. <i>Nature Biotechnology</i> , <b>2016</b> , 34, 726-37	44.5	204
203	Generation of a human iPSC line from a patient with Leigh syndrome. <i>Stem Cell Research</i> , <b>2016</b> , 16, 63-6	1.6	17
202	Generation of a human iPSC line from a patient with an optic atrophy $\alpha$ -plus phenotype due to a mutation in the OPA1 gene. <i>Stem Cell Research</i> , <b>2016</b> , 16, 673-6	1.6	7
201	Generation of a human iPSC line from a patient with Leigh syndrome caused by a mutation in the MT-ATP6 gene. <i>Stem Cell Research</i> , <b>2016</b> , 16, 766-9	1.6	8
200	DNMT1 Inhibition Reprograms Pancreatic Cancer Stem Cells via Upregulation of the miR-17-92 Cluster. <i>Cancer Research</i> , <b>2016</b> , 76, 4546-58	10.1	74
199	The transcription factor Slug represses E-cadherin expression and induces epithelial to mesenchymal transitions: a comparison with Snail and E47 repressors. <i>Journal of Cell Science</i> , <b>2016</b> , 129, 1283-1283	5.3	7
198	Oncometabolic Nuclear Reprogramming of Cancer Stemness. <i>Stem Cell Reports</i> , <b>2016</b> , 6, 273-83	8	28

197	Allele-Specific Reprogramming of Cancer Metabolism by the Long Non-coding RNA CCAT2. <i>Molecular Cell</i> , <b>2016</b> , 61, 520-534	17.6	101
196	Autoregulatory loop of nuclear corepressor 1 expression controls invasion, tumor growth, and metastasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, E328-37	11.5	34
195	Liver X Receptor Agonist Modifies the DNA Methylation Profile of Synapse and Neurogenesis-Related Genes in the Triple Transgenic Mouse Model of Alzheimer's Disease. <i>Journal of Molecular Neuroscience</i> , <b>2016</b> , 58, 243-53	3.3	26
194	Reprogramming human B cells into induced pluripotent stem cells and its enhancement by C/EBP $\beta$ . <i>Leukemia</i> , <b>2016</b> , 30, 674-82	10.7	29
193	Vitamin C uncouples the Warburg metabolic switch in KRAS mutant colon cancer. <i>Oncotarget</i> , <b>2016</b> , 7, 47954-47965	3.3	48
192	The effect of exposure to nanoparticles and nanomaterials on the mammalian epigenome. <i>International Journal of Nanomedicine</i> , <b>2016</b> , 11, 6297-6306	7.3	58
191	Longitudinal study of DNA methylation during the first 5 years of life. <i>Journal of Translational Medicine</i> , <b>2016</b> , 14, 160	8.5	24
190	Bioinformatics Tools in Epigenomics Studies <b>2016</b> , 73-107		1
189	Age-associated hydroxymethylation in human bone-marrow mesenchymal stem cells. <i>Journal of Translational Medicine</i> , <b>2016</b> , 14, 207	8.5	28
188	Differentiation of Mouse Embryonic Stem Cells toward Functional Pancreatic $\beta$ Cell Surrogates through Epigenetic Regulation of Pdx1 by Nitric Oxide. <i>Cell Transplantation</i> , <b>2016</b> , 25, 1879-1892	4	9
187	Generation of a human iPSC line from a patient with a defect of intergenomic communication. <i>Stem Cell Research</i> , <b>2016</b> , 16, 120-3	1.6	5
186	Generation of a human control iPSC line with a European mitochondrial haplogroup U background. <i>Stem Cell Research</i> , <b>2016</b> , 16, 88-91	1.6	1
185	Clinical and molecular analyses of Beckwith-Wiedemann syndrome: Comparison between spontaneous conception and assisted reproduction techniques. <i>American Journal of Medical Genetics, Part A</i> , <b>2016</b> , 170, 2740-9	2.5	17
184	Glypican-1 identifies cancer exosomes and detects early pancreatic cancer. <i>Nature</i> , <b>2015</b> , 523, 177-82	50.4	1678
183	DNA methylation patterns in newborns exposed to tobacco in utero. <i>Journal of Translational Medicine</i> , <b>2015</b> , 13, 25	8.5	64
182	Aberrant DNA methylation patterns of spermatozoa in men with unexplained infertility. <i>Human Reproduction</i> , <b>2015</b> , 30, 1014-28	5.7	106
181	DNA Methylation Profiling in Pheochromocytoma and Paraganglioma Reveals Diagnostic and Prognostic Markers. <i>Clinical Cancer Research</i> , <b>2015</b> , 21, 3020-30	12.9	44
180	Methylation of NKG2D ligands contributes to immune system evasion in acute myeloid leukemia. <i>Genes and Immunity</i> , <b>2015</b> , 16, 71-82	4.4	49

179	H3K4me1 marks DNA regions hypomethylated during aging in human stem and differentiated cells. <i>Genome Research</i> , <b>2015</b> , 25, 27-40	9.7	89
178	Nuclear DICKKOPF-1 as a biomarker of chemoresistance and poor clinical outcome in colorectal cancer. <i>Oncotarget</i> , <b>2015</b> , 6, 5903-17	3.3	26
177	Identification of a DNA methylation signature in blood cells from persons with Down Syndrome. <i>Aging</i> , <b>2015</b> , 7, 82-96	5.6	68
176	Epigenetics of Aging. <i>Current Genomics</i> , <b>2015</b> , 16, 435-40	2.6	32
175	Reconstructing the DNA methylation maps of the Neandertal and the Denisovan. <i>Science</i> , <b>2014</b> , 344, 523-7	33.3	142
174	Young men with low birthweight exhibit decreased plasticity of genome-wide muscle DNA methylation by high-fat overfeeding. <i>Diabetologia</i> , <b>2014</b> , 57, 1154-8	10.3	62
173	Single cell-derived clones from human adipose stem cells present different immunomodulatory properties. <i>Clinical and Experimental Immunology</i> , <b>2014</b> , 176, 255-65	6.2	16
172	Regulation of DNA methylation patterns by CK2-mediated phosphorylation of Dnmt3a. <i>Cell Reports</i> , <b>2014</b> , 8, 743-53	10.6	55
171	LINE-1 methylation in leukocyte DNA, interaction with phosphatidylethanolamine N-methyltransferase variants and bladder cancer risk. <i>British Journal of Cancer</i> , <b>2014</b> , 110, 2123-30	8.7	16
170	Lineage-restricted function of the pluripotency factor NANOG in stratified epithelia. <i>Nature Communications</i> , <b>2014</b> , 5, 4226	17.4	36
169	S-adenosylmethionine levels regulate the schwann cell DNA methylome. <i>Neuron</i> , <b>2014</b> , 81, 1024-1039	13.9	56
168	Role of BRD4 in hematopoietic differentiation of embryonic stem cells. <i>Epigenetics</i> , <b>2014</b> , 9, 566-78	5.7	14
167	Epigenetic alterations in endocrine-related cancer. <i>Endocrine-Related Cancer</i> , <b>2014</b> , 21, R319-30	5.7	18
166	Negative neuronal differentiation of human adipose-derived stem cell clones. <i>Regenerative Medicine</i> , <b>2014</b> , 9, 279-93	2.5	5
165	Genome-wide DNA methylation changes with age in disease-free human skeletal muscle. <i>Aging Cell</i> , <b>2014</b> , 13, 360-6	9.9	110
164	LINE-1 methylation in granulocyte DNA and trihalomethane exposure is associated with bladder cancer risk. <i>Epigenetics</i> , <b>2014</b> , 9, 1532-9	5.7	21
163	Epigenetics, Inflammation, and Aging <b>2014</b> , 85-101		2
162	Role of Epigenetics in Neural Differentiation: Implications for Health and Disease <b>2014</b> , 63-79		2

161	The epigenetic basis of adaptation and responses to environmental change: perspective on human reproduction. <i>Advances in Experimental Medicine and Biology</i> , <b>2014</b> , 753, 97-117	3.6	14
160	The B cell transcription program mediates hypomethylation and overexpression of key genes in Epstein-Barr virus-associated proliferative conversion. <i>Genome Biology</i> , <b>2013</b> , 14, R3	18.3	42
159	A DNA methylation signature associated with the epigenetic repression of glycine N-methyltransferase in human hepatocellular carcinoma. <i>Journal of Molecular Medicine</i> , <b>2013</b> , 91, 939-505	5.5	26
158	Epigenetic regulation of adaptive responses of forest tree species to the environment. <i>Ecology and Evolution</i> , <b>2013</b> , 3, 399-415	2.8	217
157	Role of sirtuins in stem cell differentiation. <i>Genes and Cancer</i> , <b>2013</b> , 4, 105-11	2.9	25
156	DNA methylation-mediated silencing of PU.1 in leukemia cells resistant to cell differentiation. <i>SpringerPlus</i> , <b>2013</b> , 2, 392		4
155	A genetic progression model of Braf(V600E)-induced intestinal tumorigenesis reveals targets for therapeutic intervention. <i>Cancer Cell</i> , <b>2013</b> , 24, 15-29	24.3	146
154	Prelamin A causes progeria through cell-extrinsic mechanisms and prevents cancer invasion. <i>Nature Communications</i> , <b>2013</b> , 4, 2268	17.4	55
153	Immune-dependent and independent antitumor activity of GM-CSF aberrantly expressed by mouse and human colorectal tumors. <i>Cancer Research</i> , <b>2013</b> , 73, 395-405	10.1	55
152	Genome-wide profiling of bone reveals differentially methylated regions in osteoporosis and osteoarthritis. <i>Arthritis and Rheumatism</i> , <b>2013</b> , 65, 197-205		110
151	Contribution of genetic and epigenetic mechanisms to Wnt pathway activity in prevalent skeletal disorders. <i>Gene</i> , <b>2013</b> , 532, 165-72	3.8	32
150	Genetic and non-genetic predictors of LINE-1 methylation in leukocyte DNA. <i>Environmental Health Perspectives</i> , <b>2013</b> , 121, 650-6	8.4	66
149	The role of genetics in the establishment and maintenance of the epigenome. <i>Cellular and Molecular Life Sciences</i> , <b>2013</b> , 70, 1543-73	10.3	47
148	Aging epigenetics: causes and consequences. <i>Molecular Aspects of Medicine</i> , <b>2013</b> , 34, 765-81	16.7	71
147	DNA methylation signatures identify biologically distinct thyroid cancer subtypes. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2013</b> , 98, 2811-21	5.6	88
146	DNA methylation biomarkers for noninvasive diagnosis of colorectal cancer. <i>Cancer Prevention Research</i> , <b>2013</b> , 6, 656-65	3.2	95
145	DNA methylation map of mouse and human brain identifies target genes in Alzheimer's disease. <i>Brain</i> , <b>2013</b> , 136, 3018-27	11.2	104
144	Zebularine regulates early stages of mESC differentiation: effect on cardiac commitment. <i>Cell Death and Disease</i> , <b>2013</b> , 4, e570	9.8	18



143	DNA methylation dynamics in blood after hematopoietic cell transplant. <i>PLoS ONE</i> , <b>2013</b> , 8, e56931	3.7	10
142	De novo DNA methyltransferases: oncogenes, tumor suppressors, or both?. <i>Trends in Genetics</i> , <b>2012</b> , 28, 474-9	8.5	29
141	A human ESC model for MLL-AF4 leukemic fusion gene reveals an impaired early hematopoietic-endothelial specification. <i>Cell Research</i> , <b>2012</b> , 22, 986-1002	24.7	45
140	Frequent aberrant expression of the human ether $\alpha$ go-go (hEAG1) potassium channel in head and neck cancer: pathobiological mechanisms and clinical implications. <i>Journal of Molecular Medicine</i> , <b>2012</b> , 90, 1173-84	5.5	25
139	Hypomethylation of LINE-1, and not centromeric SAT- $\beta$ is associated with centromeric instability in head and neck squamous cell carcinoma. <i>Cellular Oncology (Dordrecht)</i> , <b>2012</b> , 35, 259-67	7.2	30
138	Maintenance of human embryonic stem cells in mesenchymal stem cell-conditioned media augments hematopoietic specification. <i>Stem Cells and Development</i> , <b>2012</b> , 21, 1549-58	4.4	25
137	iPSCs from cancer cells: challenges and opportunities. <i>Trends in Molecular Medicine</i> , <b>2012</b> , 18, 245-7	11.5	56
136	A DNA methylation signature associated with aberrant promoter DNA hypermethylation of DNMT3B in human colorectal cancer. <i>European Journal of Cancer</i> , <b>2012</b> , 48, 2270-81	7.5	18
135	Discovery of salermide-related sirtuin inhibitors: binding mode studies and antiproliferative effects in cancer cells including cancer stem cells. <i>Journal of Medicinal Chemistry</i> , <b>2012</b> , 55, 10937-47	8.3	70
134	Global DNA hypomethylation in cancer: review of validated methods and clinical significance. <i>Clinical Chemistry and Laboratory Medicine</i> , <b>2012</b> , 50, 1733-42	5.9	74
133	DNA methylation: a promising landscape for immune system-related diseases. <i>Trends in Genetics</i> , <b>2012</b> , 28, 506-14	8.5	85
132	Effects of short-term high-fat overfeeding on genome-wide DNA methylation in the skeletal muscle of healthy young men. <i>Diabetologia</i> , <b>2012</b> , 55, 3341-9	10.3	154
131	Epigenetics of embryonic stem cells. <i>Advances in Experimental Medicine and Biology</i> , <b>2012</b> , 741, 231-53	3.6	9
130	Epigenetics, the role of DNA methylation in tree development. <i>Methods in Molecular Biology</i> , <b>2012</b> , 877, 277-301	1.4	4
129	Basic procedures for epigenetic analysis in plant cell and tissue culture. <i>Methods in Molecular Biology</i> , <b>2012</b> , 877, 325-41	1.4	4
128	DNA methylation contributes to the regulation of sclerostin expression in human osteocytes. <i>Journal of Bone and Mineral Research</i> , <b>2012</b> , 27, 926-37	6.3	100
127	Distinct DNA methylomes of newborns and centenarians. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 10522-7	11.5	563
126	Aberrant epigenetic regulation of bromodomain BRD4 in human colon cancer. <i>Journal of Molecular Medicine</i> , <b>2012</b> , 90, 587-95	5.5	42



125	Epigenetics and the environment: emerging patterns and implications. <i>Nature Reviews Genetics</i> , <b>2012</b> , 13, 97-109	30.1	1233
124	A promoter DNA demethylation landscape of human hematopoietic differentiation. <i>Nucleic Acids Research</i> , <b>2012</b> , 40, 116-31	20.1	86
123	Role of DNA methylation in the regulation of the RANKL-OPG system in human bone. <i>Epigenetics</i> , <b>2012</b> , 7, 83-91	5.7	84
122	Commentaries on viewpoint: epigenetic regulation of the ACE gene might be more relevant to endurance physiology than the I/D polymorphism. <i>Journal of Applied Physiology</i> , <b>2012</b> , 112, 1084-5	3.7	1
121	A DNA methylation fingerprint of 1628 human samples. <i>Genome Research</i> , <b>2012</b> , 22, 407-19	9.7	273
120	Genome-wide analysis of DNA methylation differences in muscle and fat from monozygotic twins discordant for type 2 diabetes. <i>PLoS ONE</i> , <b>2012</b> , 7, e51302	3.7	148
119	Epigenetic code and self-identity. <i>Advances in Experimental Medicine and Biology</i> , <b>2012</b> , 738, 236-55	3.6	13
118	Techniques to Study DNA Methylation and Histone Modification <b>2011</b> , 21-39		3
117	Child health, developmental plasticity, and epigenetic programming. <i>Endocrine Reviews</i> , <b>2011</b> , 32, 159-224.2	24.2	436
116	Beckwith-Wiedemann syndrome and uniparental disomy 11p: fine mapping of the recombination breakpoints and evaluation of several techniques. <i>European Journal of Human Genetics</i> , <b>2011</b> , 19, 416-21	5.3	40
115	The effects of the dietary polyphenol resveratrol on human healthy aging and lifespan. <i>Epigenetics</i> , <b>2011</b> , 6, 870-4	5.7	51
114	Constitutional mosaic genome-wide uniparental disomy due to diploidisation: an unusual cancer-predisposing mechanism. <i>Journal of Medical Genetics</i> , <b>2011</b> , 48, 212-6	5.8	30
113	The growing role of gene methylation on endocrine function. <i>Journal of Molecular Endocrinology</i> , <b>2011</b> , 47, R75-89	4.5	31
112	Sirt1 brings stemness closer to cancer and aging. <i>Aging</i> , <b>2011</b> , 3, 162-7	5.6	29
111	Aging genetics and aging <b>2011</b> , 2, 186-95		31
110	Nuclear envelope alterations generate an aging-like epigenetic pattern in mice deficient in Zmpste24 metalloprotease. <i>Aging Cell</i> , <b>2010</b> , 9, 947-57	9.9	44
109	Epigenetic regulation of the immune system in health and disease. <i>Tissue Antigens</i> , <b>2010</b> , 76, 431-9		45
108	Metallothionein 1E is methylated in malignant melanoma and increases sensitivity to cisplatin-induced apoptosis. <i>Melanoma Research</i> , <b>2010</b> , 20, 392-400	3.3	39

107	Research resource: Transcriptional profiling reveals different pseudohypoxic signatures in SDHB and VHL-related pheochromocytomas. <i>Molecular Endocrinology</i> , <b>2010</b> , 24, 2382-91		155
106	Aging and cancer: are sirtuins the link?. <i>Future Oncology</i> , <b>2010</b> , 6, 905-15	3.6	20
105	Changes in the pattern of DNA methylation associate with twin discordance in systemic lupus erythematosus. <i>Genome Research</i> , <b>2010</b> , 20, 170-9	9.7	486
104	Epigenetic repression of ROR2 has a Wnt-mediated, pro-tumourigenic role in colon cancer. <i>Molecular Cancer</i> , <b>2010</b> , 9, 170	42.1	52
103	DNA methylation epigenotypes in breast cancer molecular subtypes. <i>Breast Cancer Research</i> , <b>2010</b> , 12, R77	8.3	141
102	Epigenetics and environment: a complex relationship. <i>Journal of Applied Physiology</i> , <b>2010</b> , 109, 243-51	3.7	150
101	Sirtuin 1 regulation of developmental genes during differentiation of stem cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 13736-41	11.5	134
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