

# Len A Pennacchio

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/6581847/len-a-pennacchio-publications-by-citations.pdf>

**Version:** 2024-04-17

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

157  
papers

26,492  
citations

78  
h-index

162  
g-index

177  
ext. papers

31,346  
ext. citations

19.3  
avg, IF

6.36  
L-index

#	Paper	IF	Citations
157	Genetic variation in PNPLA3 confers susceptibility to nonalcoholic fatty liver disease. <i>Nature Genetics</i> , <b>2008</b> , 40, 1461-5	36.3	2115
156	A common allele on chromosome 9 associated with coronary heart disease. <i>Science</i> , <b>2007</b> , 316, 1488-91	33.3	1415
155	ChIP-seq accurately predicts tissue-specific activity of enhancers. <i>Nature</i> , <b>2009</b> , 457, 854-8	50.4	1301
154	The amphioxus genome and the evolution of the chordate karyotype. <i>Nature</i> , <b>2008</b> , 453, 1064-71	50.4	1266
153	In vivo enhancer analysis of human conserved non-coding sequences. <i>Nature</i> , <b>2006</b> , 444, 499-502	50.4	911
152	Metagenomic discovery of biomass-degrading genes and genomes from cow rumen. <i>Science</i> , <b>2011</b> , 331, 463-7	33.3	893
151	VISTA Enhancer Browser--a database of tissue-specific human enhancers. <i>Nucleic Acids Research</i> , <b>2007</b> , 35, D88-92	20.1	700
150	Dicer, Drosha, and outcomes in patients with ovarian cancer. <i>New England Journal of Medicine</i> , <b>2008</b> , 359, 2641-50	59.2	573
149	Gain-of-function RAF1 mutations cause Noonan and LEOPARD syndromes with hypertrophic cardiomyopathy. <i>Nature Genetics</i> , <b>2007</b> , 39, 1007-12	36.3	523
148	Chromatin stretch enhancer states drive cell-specific gene regulation and harbor human disease risk variants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 17921-6	11.5	477
147	Most rare missense alleles are deleterious in humans: implications for complex disease and association studies. <i>American Journal of Human Genetics</i> , <b>2007</b> , 80, 727-39	11	461
146	Genomic views of distant-acting enhancers. <i>Nature</i> , <b>2009</b> , 461, 199-205	50.4	451
145	Gain-of-function SOS1 mutations cause a distinctive form of Noonan syndrome. <i>Nature Genetics</i> , <b>2007</b> , 39, 75-9	36.3	440
144	Population-based resequencing of ANGPTL4 uncovers variations that reduce triglycerides and increase HDL. <i>Nature Genetics</i> , <b>2007</b> , 39, 513-6	36.3	423
143	The amphioxus genome illuminates vertebrate origins and cephalochordate biology. <i>Genome Research</i> , <b>2008</b> , 18, 1100-11	9.7	387
142	Targeted deletion of the 9p21 non-coding coronary artery disease risk interval in mice. <i>Nature</i> , <b>2010</b> , 464, 409-12	50.4	380
141	Massively parallel functional dissection of mammalian enhancers in vivo. <i>Nature Biotechnology</i> , <b>2012</b> , 30, 265-70	44.5	366

140	Expanded encyclopaedias of DNA elements in the human and mouse genomes. <i>Nature</i> , <b>2020</b> , 583, 699-710.4	30.4	360
139	ChIP-Seq identification of weakly conserved heart enhancers. <i>Nature Genetics</i> , <b>2010</b> , 42, 806-10	36.3	343
138	Disruption of an AP-2alpha binding site in an IRF6 enhancer is associated with cleft lip. <i>Nature Genetics</i> , <b>2008</b> , 40, 1341-7	36.3	338
137	Enhancers: five essential questions. <i>Nature Reviews Genetics</i> , <b>2013</b> , 14, 288-95	30.1	316
136	Two independent apolipoprotein A5 haplotypes influence human plasma triglyceride levels. <i>Human Molecular Genetics</i> , <b>2002</b> , 11, 3031-8	5.6	316
135	Genomic strategies to identify mammalian regulatory sequences. <i>Nature Reviews Genetics</i> , <b>2001</b> , 2, 100-9	30.1	312
134	Relative contribution of variation within the APOC3/A4/A5 gene cluster in determining plasma triglycerides. <i>Human Molecular Genetics</i> , <b>2002</b> , 11, 3039-46	5.6	299
133	Progressive ataxia, myoclonic epilepsy and cerebellar apoptosis in cystatin B-deficient mice. <i>Nature Genetics</i> , <b>1998</b> , 20, 251-8	36.3	293
132	Mutation of SHOC2 promotes aberrant protein N-myristoylation and causes Noonan-like syndrome with loose anagen hair. <i>Nature Genetics</i> , <b>2009</b> , 41, 1022-6	36.3	291
131	Rare loss-of-function mutations in ANGPTL family members contribute to plasma triglyceride levels in humans. <i>Journal of Clinical Investigation</i> , <b>2009</b> , 119, 70-9	15.9	277
130	Enhancer redundancy provides phenotypic robustness in mammalian development. <i>Nature</i> , <b>2018</b> , 554, 239-243	50.4	275
129	Cathepsin L is required for endothelial progenitor cell-induced neovascularization. <i>Nature Medicine</i> , <b>2005</b> , 11, 206-13	50.5	261
128	Human-specific gain of function in a developmental enhancer. <i>Science</i> , <b>2008</b> , 321, 1346-50	33.3	260
127	Rapid and pervasive changes in genome-wide enhancer usage during mammalian development. <i>Cell</i> , <b>2013</b> , 155, 1521-31	56.2	256
126	Ultraconservation identifies a small subset of extremely constrained developmental enhancers. <i>Nature Genetics</i> , <b>2008</b> , 40, 158-60	36.3	253
125	Combinatorial regulation of endothelial gene expression by ets and forkhead transcription factors. <i>Cell</i> , <b>2008</b> , 135, 1053-64	56.2	245
124	A restricted spectrum of NRAS mutations causes Noonan syndrome. <i>Nature Genetics</i> , <b>2010</b> , 42, 27-9	36.3	232
123	Integrated analysis of homozygous deletions, focal amplifications, and sequence alterations in breast and colorectal cancers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 16224-9	11.5	230

122	Apolipoprotein AV accelerates plasma hydrolysis of triglyceride-rich lipoproteins by interaction with proteoglycan-bound lipoprotein lipase. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 21553-60	5.4	225
121	Deletion of ultraconserved elements yields viable mice. <i>PLoS Biology</i> , <b>2007</b> , 5, e234	9.7	217
120	The DNA sequence and biology of human chromosome 19. <i>Nature</i> , <b>2004</b> , 428, 529-35	50.4	216
119	Genetic dissection of the $\beta$ globin super-enhancer in vivo. <i>Nature Genetics</i> , <b>2016</b> , 48, 895-903	36.3	204
118	The Epigenomic Landscape of Prokaryotes. <i>PLoS Genetics</i> , <b>2016</b> , 12, e1005854	6	198
117	Large-scale discovery of enhancers from human heart tissue. <i>Nature Genetics</i> , <b>2011</b> , 44, 89-93	36.3	197
116	Principles of regulatory information conservation between mouse and human. <i>Nature</i> , <b>2014</b> , 515, 371-375	50.4	190
115	Genomic Patterns of De Novo Mutation in Simplex Autism. <i>Cell</i> , <b>2017</b> , 171, 710-722.e12	56.2	189
114	A high-resolution enhancer atlas of the developing telencephalon. <i>Cell</i> , <b>2013</b> , 152, 895-908	56.2	189
113	Unstable minisatellite expansion causing recessively inherited myoclonus epilepsy, EPM1. <i>Nature Genetics</i> , <b>1997</b> , 15, 393-6	36.3	186
112	Medical sequencing at the extremes of human body mass. <i>American Journal of Human Genetics</i> , <b>2007</b> , 80, 779-91	11	180
111	Single-nucleus analysis of accessible chromatin in developing mouse forebrain reveals cell-type-specific transcriptional regulation. <i>Nature Neuroscience</i> , <b>2018</b> , 21, 432-439	25.5	172
110	Homotypic clusters of transcription factor binding sites are a key component of human promoters and enhancers. <i>Genome Research</i> , <b>2010</b> , 20, 565-77	9.7	167
109	Mechanism of triglyceride lowering in mice expressing human apolipoprotein A5. <i>Biochemical and Biophysical Research Communications</i> , <b>2004</b> , 319, 397-404	3.4	163
108	Apolipoprotein A5, a crucial determinant of plasma triglyceride levels, is highly responsive to peroxisome proliferator-activated receptor alpha activators. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 17982-5	5.4	161
107	Progressive Loss of Function in a Limb Enhancer during Snake Evolution. <i>Cell</i> , <b>2016</b> , 167, 633-642.e11	56.2	160
106	Fine tuning of craniofacial morphology by distant-acting enhancers. <i>Science</i> , <b>2013</b> , 342, 1241006	33.3	157
105	Close sequence comparisons are sufficient to identify human cis-regulatory elements. <i>Genome Research</i> , <b>2006</b> , 16, 855-63	9.7	154

104	Apolipoprotein A5, a newly identified gene that affects plasma triglyceride levels in humans and mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2003</b> , 23, 529-34	9.4	137
103	Germline Chd8 haploinsufficiency alters brain development in mouse. <i>Nature Neuroscience</i> , <b>2017</b> , 20, 1062-1073	25.5	136
102	Genome resequencing reveals multiscale geographic structure and extensive linkage disequilibrium in the forest tree <i>Populus trichocarpa</i> . <i>New Phytologist</i> , <b>2012</b> , 196, 713-725	9.8	134
101	Apoa5 Q139X truncation predisposes to late-onset hyperchylomicronemia due to lipoprotein lipase impairment. <i>Journal of Clinical Investigation</i> , <b>2005</b> , 115, 2862-9	15.9	134
100	The sequence and analysis of duplication-rich human chromosome 16. <i>Nature</i> , <b>2004</b> , 432, 988-94	50.4	129
99	Dlx1&2-dependent expression of Zfhx1b (Sip1, Zeb2) regulates the fate switch between cortical and striatal interneurons. <i>Neuron</i> , <b>2013</b> , 77, 83-98	13.9	122
98	Predicting tissue-specific enhancers in the human genome. <i>Genome Research</i> , <b>2007</b> , 17, 201-11	9.7	107
97	Apolipoprotein A-V deficiency results in marked hypertriglyceridemia attributable to decreased lipolysis of triglyceride-rich lipoproteins and removal of their remnants. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2005</b> , 25, 2573-9	9.4	107
96	Dynamic GATA4 enhancers shape the chromatin landscape central to heart development and disease. <i>Nature Communications</i> , <b>2014</b> , 5, 4907	17.4	102
95	Association of functionally significant Melanocortin-4 but not Melanocortin-3 receptor mutations with severe adult obesity in a large North American case-control study. <i>Human Molecular Genetics</i> , <b>2009</b> , 18, 1140-7	5.6	102
94	Ultraconserved Enhancers Are Required for Normal Development. <i>Cell</i> , <b>2018</b> , 172, 491-499.e15	56.2	101
93	Directed evolution of ionizing radiation resistance in <i>Escherichia coli</i> . <i>Journal of Bacteriology</i> , <b>2009</b> , 191, 5240-52	3.5	100
92	Functional importance of cardiac enhancer-associated noncoding RNAs in heart development and disease. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2014</b> , 76, 55-70	5.8	98
91	Cathepsin B but not cathepsins L or S contributes to the pathogenesis of Unverricht-Lundborg progressive myoclonus epilepsy (EPM1). <i>Journal of Neurobiology</i> , <b>2003</b> , 56, 315-27		94
90	A large genomic deletion leads to enhancer adoption by the lamin B1 gene: a second path to autosomal dominant adult-onset demyelinating leukodystrophy (ADLD). <i>Human Molecular Genetics</i> , <b>2015</b> , 24, 3143-54	5.6	93
89	Linkage and association between distinct variants of the APOA1/C3/A4/A5 gene cluster and familial combined hyperlipidemia. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2004</b> , 24, 167-74	9.4	90
88	Array comparative genomic hybridization in patients with congenital diaphragmatic hernia: mapping of four CDH-critical regions and sequencing of candidate genes at 15q26.1-15q26.2. <i>European Journal of Human Genetics</i> , <b>2006</b> , 14, 999-1008	5.3	89
87	Haplotype analysis of the apolipoprotein gene cluster on human chromosome 11. <i>Genomics</i> , <b>2004</b> , 83, 912-23	4.3	89

86	Lack of MEF2A mutations in coronary artery disease. <i>Journal of Clinical Investigation</i> , <b>2005</b> , 115, 1016-20	15.9	87
85	The DNA sequence and comparative analysis of human chromosome 5. <i>Nature</i> , <b>2004</b> , 431, 268-74	50.4	86
84	Comparative genomic analysis as a tool for biological discovery. <i>Journal of Physiology</i> , <b>2004</b> , 554, 31-9	3.9	83
83	Enhancer identification through comparative genomics. <i>Seminars in Cell and Developmental Biology</i> , <b>2007</b> , 18, 140-52	7.5	81
82	Tissue-specific RNA expression marks distant-acting developmental enhancers. <i>PLoS Genetics</i> , <b>2014</b> , 10, e1004610	6	80
81	Enhancer Variants Synergistically Drive Dysfunction of a Gene Regulatory Network In Hirschsprung Disease. <i>Cell</i> , <b>2016</b> , 167, 355-368.e10	56.2	80
80	Insulin-mediated down-regulation of apolipoprotein A5 gene expression through the phosphatidylinositol 3-kinase pathway: role of upstream stimulatory factor. <i>Molecular and Cellular Biology</i> , <b>2005</b> , 25, 1537-48	4.8	79
79	A Cryptochrome 2 mutation yields advanced sleep phase in humans. <i>ELife</i> , <b>2016</b> , 5,	8.9	78
78	52 Genetic Loci Influencing Myocardial Mass. <i>Journal of the American College of Cardiology</i> , <b>2016</b> , 68, 1435-1448	15.1	76
77	An atlas of dynamic chromatin landscapes in mouse fetal development. <i>Nature</i> , <b>2020</b> , 583, 744-751	50.4	76
76	Transcriptional regulation of enhancers active in protodomains of the developing cerebral cortex. <i>Neuron</i> , <b>2014</b> , 82, 989-1003	13.9	73
75	Occupancy by key transcription factors is a more accurate predictor of enhancer activity than histone modifications or chromatin accessibility. <i>Epigenetics and Chromatin</i> , <b>2015</b> , 8, 16	5.8	71
74	The liver X receptor ligand T0901317 down-regulates APOA5 gene expression through activation of SREBP-1c. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 45462-9	5.4	69
73	In vivo characterization of a vertebrate ultraconserved enhancer. <i>Genomics</i> , <b>2005</b> , 85, 774-81	4.3	66
72	Association of common variants in the Joubert syndrome gene (AHI1) with autism. <i>Human Molecular Genetics</i> , <b>2008</b> , 17, 3887-96	5.6	65
71	Apolipoprotein AIV gene variant S347 is associated with increased risk of coronary heart disease and lower plasma apolipoprotein AIV levels. <i>Circulation Research</i> , <b>2003</b> , 92, 969-75	15.7	63
70	Analysis of apolipoprotein A5, c3, and plasma triglyceride concentrations in genetically engineered mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2004</b> , 24, 1297-302	9.4	63
69	Neuropathological changes in a mouse model of progressive myoclonus epilepsy: cystatin B deficiency and Unverricht-Lundborg disease. <i>Journal of Neuropathology and Experimental Neurology</i> , <b>2002</b> , 61, 1085-91	3.1	62

68	Gain-of-function R225W mutation in human AMPKgamma(3) causing increased glycogen and decreased triglyceride in skeletal muscle. <i>PLoS ONE</i> , <b>2007</b> , 2, e903	3.7	62
67	Brg1 modulates enhancer activation in mesoderm lineage commitment. <i>Development (Cambridge)</i> , <b>2015</b> , 142, 1418-30	6.6	61
66	Improved regulatory element prediction based on tissue-specific local epigenomic signatures. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, E1633-E1640	11.5	60
65	Function-based identification of mammalian enhancers using site-specific integration. <i>Nature Methods</i> , <b>2014</b> , 11, 566-71	21.6	59
64	Insights from human/mouse genome comparisons. <i>Mammalian Genome</i> , <b>2003</b> , 14, 429-36	3.2	57
63	Identification of novel craniofacial regulatory domains located far upstream of SOX9 and disrupted in Pierre Robin sequence. <i>Human Mutation</i> , <b>2014</b> , 35, 1011-20	4.7	54
62	Evolution of extreme resistance to ionizing radiation via genetic adaptation of DNA repair. <i>ELife</i> , <b>2014</b> , 3, e01322	8.9	53
61	Genome-wide compendium and functional assessment of in vivo heart enhancers. <i>Nature Communications</i> , <b>2016</b> , 7, 12923	17.4	51
60	Activating Mutations Affecting the Dbl Homology Domain of SOS2 Cause Noonan Syndrome. <i>Human Mutation</i> , <b>2015</b> , 36, 1080-7	4.7	51
59	Massively parallel sequencing identifies the gene Megf8 with ENU-induced mutation causing heterotaxy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 3219-24	11.5	50
58	Functional autonomy of distant-acting human enhancers. <i>Genomics</i> , <b>2009</b> , 93, 509-13	4.3	49
57	Tissue-specific SMARCA4 binding at active and repressed regulatory elements during embryogenesis. <i>Genome Research</i> , <b>2014</b> , 24, 920-9	9.7	47
56	Transcriptional regulation of apolipoprotein A5 gene expression by the nuclear receptor RORalpha. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2005</b> , 25, 1186-92	9.4	45
55	Human cathepsin L rescues the neurodegeneration and lethality in cathepsin B/L double-deficient mice. <i>Biological Chemistry</i> , <b>2006</b> , 387, 885-91	4.5	43
54	Comparative genomic tools and databases: providing insights into the human genome. <i>Journal of Clinical Investigation</i> , <b>2003</b> , 111, 1099-1106	15.9	43
53	An etiologic regulatory mutation in IRF6 with loss- and gain-of-function effects. <i>Human Molecular Genetics</i> , <b>2014</b> , 23, 2711-20	5.6	39
52	The changing mouse embryo transcriptome at whole tissue and single-cell resolution. <i>Nature</i> , <b>2020</b> , 583, 760-767	50.4	39
51	Lack of support for the association between GAD2 polymorphisms and severe human obesity. <i>PLoS Biology</i> , <b>2005</b> , 3, e315	9.7	38

50	Relationship between genetic variation at PPP1R3B and levels of liver glycogen and triglyceride. <i>Hepatology</i> , <b>2018</b> , 67, 2182-2195	11.2	37
49	Spatiotemporal DNA methylome dynamics of the developing mouse fetus. <i>Nature</i> , <b>2020</b> , 583, 752-759	50.4	35
48	Comprehensive In Vivo Interrogation Reveals Phenotypic Impact of Human Enhancer Variants. <i>Cell</i> , <b>2020</b> , 180, 1262-1271.e15	56.2	34
47	Genetic and functional analyses identify DISC1 as a novel callosal agenesis candidate gene. <i>American Journal of Medical Genetics, Part A</i> , <b>2011</b> , 155A, 1865-76	2.5	34
46	TIMELESS mutation alters phase responsiveness and causes advanced sleep phase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 12045-12053	11.5	30
45	Genomic Resolution of DLX-Orchestrated Transcriptional Circuits Driving Development of Forebrain GABAergic Neurons. <i>Cell Reports</i> , <b>2019</b> , 28, 2048-2063.e8	10.6	29
44	Congenital heart defects in patients with deletions upstream of SOX9. <i>Human Mutation</i> , <b>2013</b> , 34, 1628-1637	3.1	27
43	Use of "MGE enhancers" for labeling and selection of embryonic stem cell-derived medial ganglionic eminence (MGE) progenitors and neurons. <i>PLoS ONE</i> , <b>2013</b> , 8, e61956	3.7	25
42	Haplotypes in the APOA1-C3-A4-A5 gene cluster affect plasma lipids in both humans and baboons. <i>Human Molecular Genetics</i> , <b>2004</b> , 13, 1049-56	5.6	24
41	Supervised enhancer prediction with epigenetic pattern recognition and targeted validation. <i>Nature Methods</i> , <b>2020</b> , 17, 807-814	21.6	24
40	Generation of long insert pairs using a Cre-LoxP Inverse PCR approach. <i>PLoS ONE</i> , <b>2012</b> , 7, e29437	3.7	23
39	A PYY Q62P variant linked to human obesity. <i>Human Molecular Genetics</i> , <b>2006</b> , 15, 387-91	5.6	23
38	In vivo characterization of human APOA5 haplotypes. <i>Genomics</i> , <b>2007</b> , 90, 674-9	4.3	22
37	A genetic signature of spina bifida risk from pathway-informed comprehensive gene-variant analysis. <i>PLoS ONE</i> , <b>2011</b> , 6, e28408	3.7	21
36	Brg1 coordinates multiple processes during retinogenesis and is a tumor suppressor in retinoblastoma. <i>Development (Cambridge)</i> , <b>2015</b> , 142, 4092-106	6.6	20
35	Identification of a novel enhancer of brain expression near the apoE gene cluster by comparative genomics. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , <b>2004</b> , 1676, 41-50		20
34	Presynaptic Homeostasis Opposes Disease Progression in Mouse Models of ALS-Like Degeneration: Evidence for Homeostatic Neuroprotection. <i>Neuron</i> , <b>2020</b> , 107, 95-111.e6	13.9	18
33	Comparative genomic tools and databases: providing insights into the human genome. <i>Journal of Clinical Investigation</i> , <b>2003</b> , 111, 1099-106	15.9	18



32	Dynamic BAF chromatin remodeling complex subunit inclusion promotes temporally distinct gene expression programs in cardiogenesis. <i>Development (Cambridge)</i> , <b>2019</b> , 146,	6.6	17
31	Characterization of the human neurocan gene, CSPG3. <i>Gene</i> , <b>1998</b> , 221, 199-205	3.8	17
30	Differences in enhancer activity in mouse and zebrafish reporter assays are often associated with changes in gene expression. <i>BMC Genomics</i> , <b>2012</b> , 13, 713	4.5	16
29	Glucose regulates the expression of the apolipoprotein A5 gene. <i>Journal of Molecular Biology</i> , <b>2008</b> , 380, 789-98	6.5	16
28	Comparative genomic analysis reveals a distant liver enhancer upstream of the COUP-TFII gene. <i>Mammalian Genome</i> , <b>2005</b> , 16, 91-5	3.2	16
27	Systematic mapping of chromatin state landscapes during mouse development		15
26	Parkinson-Associated SNCA Enhancer Variants Revealed by Open Chromatin in Mouse Dopamine Neurons. <i>American Journal of Human Genetics</i> , <b>2018</b> , 103, 874-892	11	15
25	Noncoding deletions reveal a gene that is critical for intestinal function. <i>Nature</i> , <b>2019</b> , 571, 107-111	50.4	12
24	Limb-Enhancer Genie: An accessible resource of accurate enhancer predictions in the developing limb. <i>PLoS Computational Biology</i> , <b>2017</b> , 13, e1005720	5	12
23	The INSIG2 rs7566605 genetic variant does not play a major role in obesity in a sample of 24,722 individuals from four cohorts. <i>BMC Medical Genetics</i> , <b>2009</b> , 10, 56	2.1	12
22	Spatiotemporal DNA Methylome Dynamics of the Developing Mammalian Fetus		11
21	ATAC-Seq Reveals an Enhancer That Regulates Sinoatrial Node Development and Function. <i>Circulation Research</i> , <b>2020</b> , 127, 1502-1518	15.7	11
20	Ultraconserved enhancer function does not require perfect sequence conservation. <i>Nature Genetics</i> , <b>2021</b> , 53, 521-528	36.3	10
19	Structure, sequence and location of the UQCRFS1 gene for the human Rieske Fe-S protein. <i>Gene</i> , <b>1995</b> , 155, 207-11	3.8	9
18	Single site-specific integration targeting coupled with embryonic stem cell differentiation provides a high-throughput alternative to in vivo enhancer analyses. <i>Biology Open</i> , <b>2013</b> , 2, 1229-38	2.2	8
17	Genome-Wide Fetalization of Enhancer Architecture in Heart Disease		6
16	A cross-organism framework for supervised enhancer prediction with epigenetic pattern recognition and targeted validation		5
15	Deletion of a non-canonical regulatory sequence causes loss of Scn1a expression and epileptic phenotypes in mice. <i>Genome Medicine</i> , <b>2021</b> , 13, 69	14.4	5

14	Reactivation of a developmentally silenced embryonic globin gene. <i>Nature Communications</i> , <b>2021</b> , 12, 4439	17.4	5
13	Contrasting patterns of sequence evolution at the functionally redundant bric ̄brac paralogs in <i>Drosophila melanogaster</i> . <i>Journal of Molecular Evolution</i> , <b>2009</b> , 69, 194-202	3.1	4
12	Stable enhancers are active in development, and fragile enhancers are associated with evolutionary adaptation. <i>Genome Biology</i> , <b>2019</b> , 20, 140	18.3	3
11	Comparative genomics: a tool to functionally annotate human DNA. <i>Methods in Molecular Biology</i> , <b>2007</b> , 366, 229-51	1.4	3
10	Coding and noncoding variants in EBF3 are involved in HADDs and simplex autism. <i>Human Genomics</i> , <b>2021</b> , 15, 44	6.8	3
9	Long-read metagenomics of soil communities reveals phylum-specific secondary metabolite dynamics. <i>Communications Biology</i> , <b>2021</b> , 4, 1302	6.7	2
8	Single nucleus analysis of the chromatin landscape in mouse forebrain development		2
7	Transcriptional network orchestrating regional patterning of cortical progenitors.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	2
6	Perfect and imperfect views of ultraconserved sequences. <i>Nature Reviews Genetics</i> , <b>2021</b> ,	30.1	1
5	Comparative and functional analysis of cardiovascular-related genes. <i>Pharmacogenomics</i> , <b>2003</b> , 4, 571-82.6		1
4	BAF chromatin remodeling complex subunit diversity promotes temporally distinct gene expression programs in cardiogenesis		1
3	HAND transcription factors cooperatively specify the aorta and pulmonary trunk. <i>Developmental Biology</i> , <b>2021</b> , 476, 1-10	3.1	1
2	Characterization of Mammalian In Vivo Enhancers Using Mouse Transgenesis and CRISPR Genome Editing.. <i>Methods in Molecular Biology</i> , <b>2022</b> , 2403, 147-186	1.4	0
1	Differential Etv2 threshold requirement for endothelial and erythropoietic development. <i>Cell Reports</i> , <b>2022</b> , 39, 110881	10.6	0