

Manolis Kellis

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.

284
papers

93,859
citations

107
h-index

306
g-index

334
ext. papers

118,058
ext. citations

21.3
avg, IF

8.81
L-index

#	Paper	IF	Citations
284	Single-cell dissection of the human brain vasculature.. <i>Nature</i> , 2022 ,	50.4	8
283	Immune genes outside immune cells for multiple sclerosis.. <i>Neuron</i> , 2022 , 110, 1090-1092	13.9	
282	MEF2 is a key regulator of cognitive potential and confers resilience to neurodegeneration. <i>Science Translational Medicine</i> , 2021 , 13, eabd7695	17.5	2
281	Unannotated proteins expand the MHC-I-restricted immunopeptidome in cancer. <i>Nature Biotechnology</i> , 2021 ,	44.5	13
280	disrupts intracellular lipid homeostasis in human iPSC-derived glia. <i>Science Translational Medicine</i> , 2021 , 13,	17.5	35
279	SARS-CoV-2 gene content and COVID-19 mutation impact by comparing 44 Sarbecovirus genomes. <i>Nature Communications</i> , 2021 , 12, 2642	17.4	52
278	NEBULA is a fast negative binomial mixed model for differential or co-expression analysis of large-scale multi-subject single-cell data. <i>Communications Biology</i> , 2021 , 4, 629	6.7	6
277	Evolution of delayed resistance to immunotherapy in a melanoma responder. <i>Nature Medicine</i> , 2021 , 27, 985-992	50.5	11
276	Conflicting and ambiguous names of overlapping ORFs in the SARS-CoV-2 genome: A homology-based resolution. <i>Virology</i> , 2021 , 558, 145-151	3.6	15
275	High-throughput 5' UTR engineering for enhanced protein production in non-viral gene therapies. <i>Nature Communications</i> , 2021 , 12, 4138	17.4	8
274	Genetic drivers of mA methylation in human brain, lung, heart and muscle. <i>Nature Genetics</i> , 2021 , 53, 1156-1165	36.3	9
273	GENCODE 2021. <i>Nucleic Acids Research</i> , 2021 , 49, D916-D923	20.1	82
272	Genus-Wide Characterization of Bumblebee Genomes Provides Insights into Their Evolution and Variation in Ecological and Behavioral Traits. <i>Molecular Biology and Evolution</i> , 2021 , 38, 486-501	8.3	12
271	Exome-wide age-of-onset analysis reveals exonic variants in ERN1 and SPPL2C associated with Alzheimer's disease. <i>Translational Psychiatry</i> , 2021 , 11, 146	8.6	1
270	Regulatory genomic circuitry of human disease loci by integrative epigenomics. <i>Nature</i> , 2021 , 590, 300-307.4	37.4	43
269	CoCoA-diff: counterfactual inference for single-cell gene expression analysis. <i>Genome Biology</i> , 2021 , 22, 228	18.3	0
268	Distinct metabolic programs established in the thymus control effector functions of Γ cell subsets in tumor microenvironments. <i>Nature Immunology</i> , 2021 , 22, 179-192	19.1	26

267	Evolution of enhanced innate immune evasion by SARS-CoV-2.. <i>Nature</i> , 2021 ,	50.4	30
266	Genomic RNA Elements Drive Phase Separation of the SARS-CoV-2 Nucleocapsid. <i>Molecular Cell</i> , 2020 , 80, 1078-1091.e6	17.6	98
265	Inferring multimodal latent topics from electronic health records. <i>Nature Communications</i> , 2020 , 11, 2536	17.4	13
264	Reconstruction of the human blood-brain barrier in vitro reveals a pathogenic mechanism of APOE4 in pericytes. <i>Nature Medicine</i> , 2020 , 26, 952-963	50.5	83
263	Few SINEs of life: Alu elements have little evidence for biological relevance despite elevated translation. <i>NAR Genomics and Bioinformatics</i> , 2020 , 2, lqz023	3.7	6
262	Evidence for a novel overlapping coding sequence in POLG initiated at a CUG start codon. <i>BMC Genetics</i> , 2020 , 21, 25	2.6	18
261	Molecular Transducers of Physical Activity Consortium (MoTrPAC): Mapping the Dynamic Responses to Exercise. <i>Cell</i> , 2020 , 181, 1464-1474	56.2	51
260	Genome-wide In Vivo CNS Screening Identifies Genes that Modify CNS Neuronal Survival and mHTT Toxicity. <i>Neuron</i> , 2020 , 106, 76-89.e8	13.9	27
259	Analyses of non-coding somatic drivers in 2,658 cancer whole genomes. <i>Nature</i> , 2020 , 578, 102-111	50.4	220
258	Pan-cancer analysis of whole genomes. <i>Nature</i> , 2020 , 578, 82-93	50.4	840
257	Interleukin-6 deficiency exacerbates Huntington's disease model phenotypes. <i>Molecular Neurodegeneration</i> , 2020 , 15, 29	19	5
256	SARS-CoV-2 gene content and COVID-19 mutation impact by comparing 44 Sarbecovirus genomes 2020 ,		3
255	SARS-CoV-2 gene content and COVID-19 mutation impact by comparing 44 Sarbecovirus genomes 2020 ,		14
254	Improved haplotype inference by exploiting long-range linking and allelic imbalance in RNA-seq datasets. <i>Nature Communications</i> , 2020 , 11, 4662	17.4	8
253	Evidence for secondary-variant genetic burden and non-random distribution across biological modules in a recessive ciliopathy. <i>Nature Genetics</i> , 2020 , 52, 1145-1150	36.3	12
252	Mapping the epigenomic and transcriptomic interplay during memory formation and recall in the hippocampal engram ensemble. <i>Nature Neuroscience</i> , 2020 , 23, 1606-1617	25.5	29
251	Cell Type-Specific Transcriptomics Reveals that Mutant Huntingtin Leads to Mitochondrial RNA Release and Neuronal Innate Immune Activation. <i>Neuron</i> , 2020 , 107, 891-908.e8	13.9	46
250	Conserved Epigenetic Regulatory Logic Infers Genes Governing Cell Identity. <i>Cell Systems</i> , 2020 , 11, 625-638.e13	63.0	13

249	Plasma-derived extracellular vesicle analysis and deconvolution enable prediction and tracking of melanoma checkpoint blockade outcome. <i>Science Advances</i> , 2020 , 6,	14.3	14
248	Perspectives on ENCODE. <i>Nature</i> , 2020 , 583, 693-698	50.4	61
247	Expanded encyclopaedias of DNA elements in the human and mouse genomes. <i>Nature</i> , 2020 , 583, 699-710.	10.4	360
246	Translation Initiation Site Profiling Reveals Widespread Synthesis of Non-AUG-Initiated Protein Isoforms in Yeast. <i>Cell Systems</i> , 2020 , 11, 145-160.e5	10.6	16
245	Analysis of Genetically Regulated Gene Expression Identifies a Prefrontal PTSD Gene, SNRNP35, Specific to Military Cohorts. <i>Cell Reports</i> , 2020 , 31, 107716	10.6	21
244	A multiresolution framework to characterize single-cell state landscapes. <i>Nature Communications</i> , 2020 , 11, 5399	17.4	11
243	A Quantitative Proteome Map of the Human Body. <i>Cell</i> , 2020 , 183, 269-283.e19	56.2	73
242	A vast resource of allelic expression data spanning human tissues. <i>Genome Biology</i> , 2020 , 21, 234	18.3	18
241	Spectral Alignment of Graphs. <i>IEEE Transactions on Network Science and Engineering</i> , 2020 , 7, 1182-1197.	4.9	10
240	Elucidation of Codon Usage Signatures across the Domains of Life. <i>Molecular Biology and Evolution</i> , 2019 , 36, 2328-2339	8.3	23
239	Single-cell transcriptomic analysis of Alzheimer's disease. <i>Nature</i> , 2019 , 570, 332-337	50.4	682
238	Challenges in IBD Research: Environmental Triggers. <i>Inflammatory Bowel Diseases</i> , 2019 , 25, S13-S23	4.5	35
237	A gene expression atlas of embryonic neurogenesis in reveals complex spatiotemporal regulation of lncRNAs. <i>Development (Cambridge)</i> , 2019 , 146,	6.6	18
236	Network Infusion to Infer Information Sources in Networks. <i>IEEE Transactions on Network Science and Engineering</i> , 2019 , 6, 402-417	4.9	7
235	ncdDetect2: improved models of the site-specific mutation rate in cancer and driver detection with robust significance evaluation. <i>Bioinformatics</i> , 2019 , 35, 189-199	7.2	3
234	Joint profiling of DNA methylation and chromatin architecture in single cells. <i>Nature Methods</i> , 2019 , 16, 991-993	21.6	75
233	Integrative construction of regulatory region networks in 127 human reference epigenomes by matrix factorization. <i>Nucleic Acids Research</i> , 2019 , 47, 7235-7246	20.1	2
232	A high-throughput screening and computation platform for identifying synthetic promoters with enhanced cell-state specificity (SPECS). <i>Nature Communications</i> , 2019 , 10, 2880	17.4	18

231	Single-cell transcriptomic atlas of the human retina identifies cell types associated with age-related macular degeneration. <i>Nature Communications</i> , 2019 , 10, 4902	17.4	100
230	Rate of brain aging and are synergistic risk factors for Alzheimer's disease. <i>Life Science Alliance</i> , 2019 , 2,	5.8	5
229	Human Primordial Germ Cells Are Specified from Lineage-Primed Progenitors. <i>Cell Reports</i> , 2019 , 29, 4568-4582.e5	10.6	44
228	Reconstruction of Cell-type-Specific Interactomes at Single-Cell Resolution. <i>Cell Systems</i> , 2019 , 9, 559-568.e4	10.6	24
227	Discovery of high-confidence human protein-coding genes and exons by whole-genome PhyloCSF helps elucidate 118 GWAS loci. <i>Genome Research</i> , 2019 , 29, 2073-2087	9.7	26
226	An AR-ERG transcriptional signature defined by long-range chromatin interactomes in prostate cancer cells. <i>Genome Research</i> , 2019 , 29, 223-235	9.7	24
225	Association studies of up to 1.2 million individuals yield new insights into the genetic etiology of tobacco and alcohol use. <i>Nature Genetics</i> , 2019 , 51, 237-244	36.3	516
224	GENCODE reference annotation for the human and mouse genomes. <i>Nucleic Acids Research</i> , 2019 , 47, D766-D773	20.1	1140
223	Pan-cancer screen for mutations in non-coding elements with conservation and cancer specificity reveals correlations with expression and survival. <i>Npj Genomic Medicine</i> , 2018 , 3, 1	6.2	38
222	Stop codon readthrough generates a C-terminally extended variant of the human vitamin D receptor with reduced calcitriol response. <i>Journal of Biological Chemistry</i> , 2018 , 293, 4434-4444	5.4	30
221	N-methyladenosine RNA modification regulates embryonic neural stem cell self-renewal through histone modifications. <i>Nature Neuroscience</i> , 2018 , 21, 195-206	25.5	185
220	RANGER-DTL 2.0: rigorous reconstruction of gene-family evolution by duplication, transfer and loss. <i>Bioinformatics</i> , 2018 , 34, 3214-3216	7.2	27
219	Analyses of mRNA structure dynamics identify embryonic gene regulatory programs. <i>Nature Structural and Molecular Biology</i> , 2018 , 25, 677-686	17.6	61
218	Loose ends: almost one in five human genes still have unresolved coding status. <i>Nucleic Acids Research</i> , 2018 , 46, 7070-7084	20.1	36
217	Deep coverage whole genome sequences and plasma lipoprotein(a) in individuals of European and African ancestries. <i>Nature Communications</i> , 2018 , 9, 2606	17.4	53
216	Chromatin Accessibility Impacts Transcriptional Reprogramming in Oocytes. <i>Cell Reports</i> , 2018 , 24, 304-311	11.6	29
215	Allele-specific epigenome maps reveal sequence-dependent stochastic switching at regulatory loci. <i>Science</i> , 2018 , 361,	33.3	48
214	Deep-coverage whole genome sequences and blood lipids among 16,324 individuals. <i>Nature Communications</i> , 2018 , 9, 3391	17.4	90

213	Abstract 4282: Deconvolution of plasma-derived exosomes for tracking and prediction of immunotherapy across multiple tissues 2018 ,		4
212	Phylogenetic analysis of longitudinal melanoma samples to reveal convergent evolution and markers of immunotherapy resistance.. <i>Journal of Clinical Oncology</i> , 2018 , 36, 9581-9581	2.2	
211	Target site specificity and in vivo complexity of the mammalian arginylome. <i>Scientific Reports</i> , 2018 , 8, 16177	4.9	16
210	High-resolution genome-wide functional dissection of transcriptional regulatory regions and nucleotides in human. <i>Nature Communications</i> , 2018 , 9, 5380	17.4	52
209	Loss of LDAH associated with prostate cancer and hearing loss. <i>Human Molecular Genetics</i> , 2018 , 27, 4194-4203	5.6	9
208	Using an atlas of gene regulation across 44 human tissues to inform complex disease- and trait-associated variation. <i>Nature Genetics</i> , 2018 , 50, 956-967	36.3	239
207	Predicting gene expression in massively parallel reporter assays: A comparative study. <i>Human Mutation</i> , 2017 , 38, 1240-1250	4.7	23
206	Genomic analyses identify hundreds of variants associated with age at menarche and support a role for puberty timing in cancer risk. <i>Nature Genetics</i> , 2017 , 49, 834-841	36.3	257
205	Network Maximal Correlation. <i>IEEE Transactions on Network Science and Engineering</i> , 2017 , 4, 229-247	4.9	3
204	Multi-scale chromatin state annotation using a hierarchical hidden Markov model. <i>Nature Communications</i> , 2017 , 8, 15011	17.4	24
203	Dynamic landscape and regulation of RNA editing in mammals. <i>Nature</i> , 2017 , 550, 249-254	50.4	286
202	Landscape of X chromosome inactivation across human tissues. <i>Nature</i> , 2017 , 550, 244-248	50.4	417
201	Genetic effects on gene expression across human tissues. <i>Nature</i> , 2017 , 550, 204-213	50.4	2086
200	Evidence of reduced recombination rate in human regulatory domains. <i>Genome Biology</i> , 2017 , 18, 193	18.3	23
199	Chromatin-state discovery and genome annotation with ChromHMM. <i>Nature Protocols</i> , 2017 , 12, 2478-2492		257
198	Joint Bayesian inference of risk variants and tissue-specific epigenomic enrichments across multiple complex human diseases. <i>Nucleic Acids Research</i> , 2016 , 44, e144	20.1	58
197	52 Genetic Loci Influencing Myocardial Mass. <i>Journal of the American College of Cardiology</i> , 2016 , 68, 1435-1448	15.1	76
196	Evolutionary Dynamics of Abundant Stop Codon Readthrough. <i>Molecular Biology and Evolution</i> , 2016 , 33, 3108-3132	8.3	32

195	Soft X-Ray Tomography Reveals Gradual Chromatin Compaction and Reorganization during Neurogenesis In Vivo. <i>Cell Reports</i> , 2016 , 17, 2125-2136	10.6	59
194	Survey of variation in human transcription factors reveals prevalent DNA binding changes. <i>Science</i> , 2016 , 351, 1450-1454	33.3	78
193	Improved Identification and Analysis of Small Open Reading Frame Encoded Polypeptides. <i>Analytical Chemistry</i> , 2016 , 88, 3967-75	7.8	73
192	MicroRNA and gene expression changes in unruptured human cerebral aneurysms. <i>Journal of Neurosurgery</i> , 2016 , 125, 1390-1399	3.2	29
191	Tissue-specific regulatory circuits reveal variable modular perturbations across complex diseases. <i>Nature Methods</i> , 2016 , 13, 366-70	21.6	201
190	Discovery of Genetic Variation on Chromosome 5q22 Associated with Mortality in Heart Failure. <i>PLoS Genetics</i> , 2016 , 12, e1006034	6	26
189	Discovery and validation of sub-threshold genome-wide association study loci using epigenomic signatures. <i>ELife</i> , 2016 , 5,	8.9	64
188	SwiSpot: modeling riboswitches by spotting out switching sequences. <i>Bioinformatics</i> , 2016 , 32, 3252-3259	2	7
187	HaploReg v4: systematic mining of putative causal variants, cell types, regulators and target genes for human complex traits and disease. <i>Nucleic Acids Research</i> , 2016 , 44, D877-81	20.1	522
186	Genome-scale high-resolution mapping of activating and repressive nucleotides in regulatory regions. <i>Nature Biotechnology</i> , 2016 , 34, 1180-1190	44.5	85
185	Deep learning for regulatory genomics. <i>Nature Biotechnology</i> , 2015 , 33, 825-6	44.5	103
184	Sharing and Specificity of Co-expression Networks across 35 Human Tissues. <i>PLoS Computational Biology</i> , 2015 , 11, e1004220	5	104
183	Context influences on TALE-DNA binding revealed by quantitative profiling. <i>Nature Communications</i> , 2015 , 6, 7440	17.4	22
182	FRESCO: finding regions of excess synonymous constraint in diverse viruses. <i>Genome Biology</i> , 2015 , 16, 38	18.3	30
181	Human genomics. The Genotype-Tissue Expression (GTEx) pilot analysis: multitissue gene regulation in humans. <i>Science</i> , 2015 , 348, 648-60	33.3	3242
180	Human genomics. Effect of predicted protein-truncating genetic variants on the human transcriptome. <i>Science</i> , 2015 , 348, 666-9	33.3	170
179	A Novel Approach to High-Quality Postmortem Tissue Procurement: The GTEx Project. <i>Biopreservation and Biobanking</i> , 2015 , 13, 311-9	2.1	432
178	Systematic chromatin state comparison of epigenomes associated with diverse properties including sex and tissue type. <i>Nature Communications</i> , 2015 , 6, 7973	17.4	42

177	FTO Obesity Variant Circuitry and Adipocyte Browning in Humans. <i>New England Journal of Medicine</i> , 2015 , 373, 895-907	59.2	821
176	PRC2 Is Required to Maintain Expression of the Maternal Gtl2-Rian-Mirg Locus by Preventing De Novo DNA Methylation in Mouse Embryonic Stem Cells. <i>Cell Reports</i> , 2015 , 12, 1456-70	10.6	46
175	Mosquito genomics. Highly evolvable malaria vectors: the genomes of 16 Anopheles mosquitoes. <i>Science</i> , 2015 , 347, 1258522	33.3	372
174	Alzheimer's loci: epigenetic associations and interaction with genetic factors. <i>Annals of Clinical and Translational Neurology</i> , 2015 , 2, 636-47	5.3	42
173	Fine mapping of type 1 diabetes susceptibility loci and evidence for colocalization of causal variants with lymphoid gene enhancers. <i>Nature Genetics</i> , 2015 , 47, 381-6	36.3	414
172	Activity-Induced DNA Breaks Govern the Expression of Neuronal Early-Response Genes. <i>Cell</i> , 2015 , 161, 1592-605	56.2	386
171	Improved gene tree error correction in the presence of horizontal gene transfer. <i>Bioinformatics</i> , 2015 , 31, 1211-8	7.2	37
170	BRCA1 recruitment to transcriptional pause sites is required for R-loop-driven DNA damage repair. <i>Molecular Cell</i> , 2015 , 57, 636-647	17.6	245
169	Large-scale imputation of epigenomic datasets for systematic annotation of diverse human tissues. <i>Nature Biotechnology</i> , 2015 , 33, 364-76	44.5	252
168	Intermediate DNA methylation is a conserved signature of genome regulation. <i>Nature Communications</i> , 2015 , 6, 6363	17.4	67
167	Conserved epigenomic signals in mice and humans reveal immune basis of Alzheimer's disease. <i>Nature</i> , 2015 , 518, 365-9	50.4	390
166	Integrative analysis of 111 reference human epigenomes. <i>Nature</i> , 2015 , 518, 317-30	50.4	3849
165	The Discovery of Human sORF-Encoded Polypeptides (SEPs) in Cell Lines and Tissue. <i>FASEB Journal</i> , 2015 , 29, 567.21	0.9	
164	Discovery of human sORF-encoded polypeptides (SEPs) in cell lines and tissue. <i>Journal of Proteome Research</i> , 2014 , 13, 1757-65	5.6	111
163	Common genetic variants modulate pathogen-sensing responses in human dendritic cells. <i>Science</i> , 2014 , 343, 1246980	33.3	309
162	Genome-wide probing of RNA structure reveals active unfolding of mRNA structures in vivo. <i>Nature</i> , 2014 , 505, 701-5	50.4	560
161	Evolutionary dynamics and tissue specificity of human long noncoding RNAs in six mammals. <i>Genome Research</i> , 2014 , 24, 616-28	9.7	250
160	RECOMB/ISCB systems biology, regulatory genomics, and DREAM 2013 special issue. <i>Journal of Computational Biology</i> , 2014 , 21, 371-2	1.7	1

159	A comparative encyclopedia of DNA elements in the mouse genome. <i>Nature</i> , 2014 , 515, 355-64	50.4	1026
158	Comparative analysis of regulatory information and circuits across distant species. <i>Nature</i> , 2014 , 512, 453-6	50.4	135
157	Comparative analysis of metazoan chromatin organization. <i>Nature</i> , 2014 , 512, 449-52	50.4	265
156	Reply to Brunet and Doolittle: Both selected effect and causal role elements can influence human biology and disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, E3366	11.5	22
155	Comparative validation of the D. melanogaster modENCODE transcriptome annotation. <i>Genome Research</i> , 2014 , 24, 1209-23	9.7	95
154	CHD8 regulates neurodevelopmental pathways associated with autism spectrum disorder in neural progenitors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, E4468-77	11.5	210
153	Alzheimer's disease: early alterations in brain DNA methylation at ANK1, BIN1, RHBDF2 and other loci. <i>Nature Neuroscience</i> , 2014 , 17, 1156-63	25.5	579
152	Genetic association study of QT interval highlights role for calcium signaling pathways in myocardial repolarization. <i>Nature Genetics</i> , 2014 , 46, 826-36	36.3	199
151	Evidence of efficient stop codon readthrough in four mammalian genes. <i>Nucleic Acids Research</i> , 2014 , 42, 8928-38	20.1	130
150	Defining functional DNA elements in the human genome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 6131-8	11.5	490
149	Pareto-optimal phylogenetic tree reconciliation. <i>Bioinformatics</i> , 2014 , 30, i87-95	7.2	41
148	Most parsimonious reconciliation in the presence of gene duplication, loss, and deep coalescence using labeled coalescent trees. <i>Genome Research</i> , 2014 , 24, 475-86	9.7	46
147	Core and region-enriched networks of behaviorally regulated genes and the singing genome. <i>Science</i> , 2014 , 346, 1256780	33.3	81
146	Diverse patterns of genomic targeting by transcriptional regulators in Drosophila melanogaster. <i>Genome Research</i> , 2014 , 24, 1224-35	9.7	27
145	Systematic discovery and characterization of regulatory motifs in ENCODE TF binding experiments. <i>Nucleic Acids Research</i> , 2014 , 42, 2976-87	20.1	302
144	The NF- κ B genomic landscape in lymphoblastoid B cells. <i>Cell Reports</i> , 2014 , 8, 1595-606	10.6	112
143	Distinct and predictive histone lysine acetylation patterns at promoters, enhancers, and gene bodies. <i>G3: Genes, Genomes, Genetics</i> , 2014 , 4, 2051-63	3.2	27
142	Energy-based RNA consensus secondary structure prediction in multiple sequence alignments. <i>Methods in Molecular Biology</i> , 2014 , 1097, 125-41	1.4	2

141	Genomic evidence for ameiotic evolution in the bdelloid rotifer <i>Adineta vaga</i> . <i>Nature</i> , 2013 , 500, 453-7	50.4	274
140	Network deconvolution as a general method to distinguish direct dependencies in networks. <i>Nature Biotechnology</i> , 2013 , 31, 726-33	44.5	174
139	Extensive variation in chromatin states across humans. <i>Science</i> , 2013 , 342, 750-2	33.3	276
138	Spatial expression of transcription factors in <i>Drosophila</i> embryonic organ development. <i>Genome Biology</i> , 2013 , 14, R140	18.3	87
137	Reconciliation revisited: handling multiple optima when reconciling with duplication, transfer, and loss. <i>Journal of Computational Biology</i> , 2013 , 20, 738-54	1.7	45
136	Integrative annotation of chromatin elements from ENCODE data. <i>Nucleic Acids Research</i> , 2013 , 41, 827-40	40.1	383
135	Long noncoding RNAs regulate adipogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 3387-92	11.5	315
134	Constitutive nuclear lamina-genome interactions are highly conserved and associated with A/T-rich sequence. <i>Genome Research</i> , 2013 , 23, 270-80	9.7	301
133	The tissue-specific lncRNA <i>Fendrr</i> is an essential regulator of heart and body wall development in the mouse. <i>Developmental Cell</i> , 2013 , 24, 206-14	10.2	718
132	Integrating and mining the chromatin landscape of cell-type specificity using self-organizing maps. <i>Genome Research</i> , 2013 , 23, 2136-48	9.7	39
131	Systematic dissection of regulatory motifs in 2000 predicted human enhancers using a massively parallel reporter assay. <i>Genome Research</i> , 2013 , 23, 800-11	9.7	191
130	Interplay between chromatin state, regulator binding, and regulatory motifs in six human cell types. <i>Genome Research</i> , 2013 , 23, 1142-54	9.7	72
129	Arboretum: reconstruction and analysis of the evolutionary history of condition-specific transcriptional modules. <i>Genome Research</i> , 2013 , 23, 1039-50	9.7	40
128	TreeFix: statistically informed gene tree error correction using species trees. <i>Systematic Biology</i> , 2013 , 62, 110-20	8.4	80
127	The Genotype-Tissue Expression (GTEx) project. <i>Nature Genetics</i> , 2013 , 45, 580-5	36.3	4179
126	Response to comment on "Evidence of abundant purifying selection in humans for recently acquired regulatory functions". <i>Science</i> , 2013 , 340, 682	33.3	12
125	Multiple knockout mouse models reveal lincRNAs are required for life and brain development. <i>ELife</i> , 2013 , 2, e01749	8.9	516
124	RFECFS: a random-forest based algorithm for enhancer identification from chromatin state. <i>PLoS Computational Biology</i> , 2013 , 9, e1002968	5	160

123	Heterologous stop codon readthrough of metazoan readthrough candidates in yeast. <i>PLoS ONE</i> , 2013 , 8, e59450	3.7	6
122	Evolutionary principles of modular gene regulation in yeasts. <i>ELife</i> , 2013 , 2, e00603	8.9	50
121	Reconciliation Revisited: Handling Multiple Optima When Reconciling with Duplication, Transfer, and Loss. <i>Lecture Notes in Computer Science</i> , 2013 , 1-13	0.9	4
120	Interpreting noncoding genetic variation in complex traits and human disease. <i>Nature Biotechnology</i> , 2012 , 30, 1095-106	44.5	347
119	Analysis of variation at transcription factor binding sites in Drosophila and humans. <i>Genome Biology</i> , 2012 , 13, R49	18.3	71
118	Linking DNA methyltransferases to epigenetic marks and nucleosome structure genome-wide in human tumor cells. <i>Cell Reports</i> , 2012 , 2, 1411-24	10.6	86
117	An integrated encyclopedia of DNA elements in the human genome. <i>Nature</i> , 2012 , 489, 57-74	50.4	11449
116	ChIP-seq guidelines and practices of the ENCODE and modENCODE consortia. <i>Genome Research</i> , 2012 , 22, 1813-31	9.7	1211
115	GENCODE: the reference human genome annotation for The ENCODE Project. <i>Genome Research</i> , 2012 , 22, 1760-74	9.7	3142
114	Wisdom of crowds for robust gene network inference. <i>Nature Methods</i> , 2012 , 9, 796-804	21.6	1097
113	Evidence of abundant purifying selection in humans for recently acquired regulatory functions. <i>Science</i> , 2012 , 337, 1675-8	33.3	151
112	Computational analysis of noncoding RNAs. <i>Wiley Interdisciplinary Reviews RNA</i> , 2012 , 3, 759-78	9.3	44
111	High depth, whole-genome sequencing of cholera isolates from Haiti and the Dominican Republic. <i>BMC Genomics</i> , 2012 , 13, 468	4.5	7
110	Disruption of a large intergenic noncoding RNA in subjects with neurodevelopmental disabilities. <i>American Journal of Human Genetics</i> , 2012 , 91, 1128-34	11	53
109	Systematic dissection and optimization of inducible enhancers in human cells using a massively parallel reporter assay. <i>Nature Biotechnology</i> , 2012 , 30, 271-7	44.5	431
108	ChromHMM: automating chromatin-state discovery and characterization. <i>Nature Methods</i> , 2012 , 9, 215-216	11.6	1413
107	Predictive regulatory models in Drosophila melanogaster by integrative inference of transcriptional networks. <i>Genome Research</i> , 2012 , 22, 1334-49	9.7	79
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33	Phylogenetic Identification and Functional Characterization of Orthologs and Paralogs across Human, Mouse, Fly, and Worm	7
32	Functional enrichments of disease variants across thousands of independent loci in eight diseases	3
31	RiVIERA-beta: Joint Bayesian inference of risk variants and tissue-specific epigenomic enrichments across multiple complex human diseases	1
30	A probabilistic framework to dissect functional cell-type-specific regulatory elements and risk loci underlying the genetics of complex traits	2
29	Distant regulatory effects of genetic variation in multiple human tissues	6
28	Local genetic effects on gene expression across 44 human tissues	22
27	Convergence of dispersed regulatory mutations predicts driver genes in prostate cancer	4
26	Multi-tissue polygenic models for transcriptome-wide association studies	12
25	Modeling prediction error improves power of transcriptome-wide association studies	6
24	Best practices for genome-wide RNA structure analysis: combination of mutational profiles and drop-off information	7
23	High-resolution genome-wide functional dissection of transcriptional regulatory regions in human	9
22	Thousands of novel unannotated proteins expand the MHC I immunopeptidome in cancer	15
21	Correlating predicted epigenetic marks with expression data to find interactions between SNPs and genes	1
20	High-Throughput 5'UTR Engineering for Enhanced Protein Production in Non-Viral Gene Therapies	2
19	Single-cell dissection of schizophrenia reveals neurodevelopmental-synaptic axis and transcriptional resilience	5
18	Mathematical analysis of CŃdoba calcifediol trial suggests strong role for Vitamin D in reducing ICU admissions of hospitalized COVID-19 patients	5
17	A Bayesian approach to mediation analysis predicts 206 causal target genes in AlzheimerŃ disease	7
16	Discovery and characterization of coding and non-coding driver mutations in more than 2,500 whole cancer genomes	12

15	Nearly all new protein-coding predictions in the CHES database are not protein-coding	8
14	Evidence for secondary-variant genetic burden and non-random distribution across biological modules in a recessive ciliopathy	2
13	Simultaneous profiling of DNA methylation and chromatin architecture in mixed populations and in single cells	1
12	Analysis of Genetically Regulated Gene Expression identifies a trauma type specific PTSD gene, SNRNP35	1
11	Conserved epigenetic regulatory logic infers genes governing cell identity	2
10	A multiresolution framework to characterize single-cell state landscapes	2
9	Integrative analysis of 10,000 epigenomic maps across 800 samples for regulatory genomics and disease dissection	4
8	Evidence of a recombination rate valley in human regulatory domains	1
7	Genome-wide regulatory model from MPRA data predicts functional regions, eQTLs, and GWAS hits	1
6	Pan-cancer screen for mutations in non-coding elements with conservation and cancer specificity reveals correlations with expression and survival	1
5	Structural variant selection for high-altitude adaptation using single-molecule long-read sequencing	1
4	Single-cell dissection of the human cerebrovasculature in health and disease	4
3	Single-cell dissection of live human hearts in ischemic heart disease and heart failure reveals cell-type-specific driver genes and pathways	2
2	Single-cell profiling of the human primary motor cortex in ALS and FTL	1
1	Single-cell deconvolution of 3,000 post-mortem brain samples for eQTL and GWAS dissection in mental disorders	4