

Loyal A Goff

List of Publications by Citations

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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.

69
papers

17,727
citations

32
h-index

81
g-index

81
ext. papers

22,407
ext. citations

11.6
avg, IF

6.44
L-index

#	Paper	IF	Citations
69	Differential gene and transcript expression analysis of RNA-seq experiments with TopHat and Cufflinks. <i>Nature Protocols</i> , 2012 , 7, 562-78	18.8	8342
68	Integrative annotation of human large intergenic noncoding RNAs reveals global properties and specific subclasses. <i>Genes and Development</i> , 2011 , 25, 1915-27	12.6	2492
67	Differential analysis of gene regulation at transcript resolution with RNA-seq. <i>Nature Biotechnology</i> , 2013 , 31, 46-53	44.5	2465
66	Multiple knockout mouse models reveal lincRNAs are required for life and brain development. <i>ELife</i> , 2013 , 2, e01749	8.9	516
65	Topological organization of multichromosomal regions by the long intergenic noncoding RNA Firre. <i>Nature Structural and Molecular Biology</i> , 2014 , 21, 198-206	17.6	455
64	DNMT1-interacting RNAs block gene-specific DNA methylation. <i>Nature</i> , 2013 , 503, 371-6	50.4	379
63	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
62	Differential regulation of microRNA stability. <i>Rna</i> , 2010 , 16, 1032-9	5.8	217
61	The microRNA miR-181 is a critical cellular metabolic rheostat essential for NKT cell ontogenesis and lymphocyte development and homeostasis. <i>Immunity</i> , 2013 , 38, 984-97	32.3	195
60	Single-Cell RNA-Seq Analysis of Retinal Development Identifies NFI Factors as Regulating Mitotic Exit and Late-Born Cell Specification. <i>Neuron</i> , 2019 , 102, 1111-1126.e5	13.9	173
59	The long non-coding RNA Morrbid regulates Bim and short-lived myeloid cell lifespan. <i>Nature</i> , 2016 , 537, 239-243	50.4	168
58	DeCoN: genome-wide analysis of in vivo transcriptional dynamics during pyramidal neuron fate selection in neocortex. <i>Neuron</i> , 2015 , 85, 275-288	13.9	167
57	MicroRNA expression pattern of undifferentiated and differentiated human embryonic stem cells. <i>Stem Cells and Development</i> , 2007 , 16, 1003-16	4.4	153
56	Linking RNA biology to lincRNAs. <i>Genome Research</i> , 2015 , 25, 1456-65	9.7	133
55	Spatiotemporal expression and transcriptional perturbations by long noncoding RNAs in the mouse brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 6855-62	11.5	114
54	Transcriptional and epigenomic landscapes of CNS and non-CNS vascular endothelial cells. <i>ELife</i> , 2018 , 7,	8.9	114
53	Ago2 immunoprecipitation identifies predicted microRNAs in human embryonic stem cells and neural precursors. <i>PLoS ONE</i> , 2009 , 4, e7192	3.7	94

52	Gene co-regulation by Fezf2 selects neurotransmitter identity and connectivity of corticospinal neurons. <i>Nature Neuroscience</i> , 2014 , 17, 1046-54	25.5	88
51	Enter the Matrix: Factorization Uncovers Knowledge from Omics. <i>Trends in Genetics</i> , 2018 , 34, 790-805	8.5	84
50	Differentiating human multipotent mesenchymal stromal cells regulate microRNAs: prediction of microRNA regulation by PDGF during osteogenesis. <i>Experimental Hematology</i> , 2008 , 36, 1354-1369	3.1	79
49	Decomposing Cell Identity for Transfer Learning across Cellular Measurements, Platforms, Tissues, and Species. <i>Cell Systems</i> , 2019 , 8, 395-411.e8	10.6	69
48	Expression profiling of synaptic microRNAs from the adult rat brain identifies regional differences and seizure-induced dynamic modulation. <i>Brain Research</i> , 2012 , 1436, 20-33	3.7	65
47	Linear models enable powerful differential activity analysis in massively parallel reporter assays. <i>BMC Genomics</i> , 2019 , 20, 209	4.5	63
46	Single-Cell Analysis of Human Retina Identifies Evolutionarily Conserved and Species-Specific Mechanisms Controlling Development. <i>Developmental Cell</i> , 2020 , 53, 473-491.e9	10.2	61
45	Single-Cell RNA-Seq of Mouse Dopaminergic Neurons Informs Candidate Gene Selection for Sporadic Parkinson Disease. <i>American Journal of Human Genetics</i> , 2018 , 102, 427-446	11	60
44	RNase-mediated protein footprint sequencing reveals protein-binding sites throughout the human transcriptome. <i>Genome Biology</i> , 2014 , 15, R3	18.3	58
43	A ketogenic diet rescues hippocampal memory defects in a mouse model of Kabuki syndrome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 125-130	11.5	56
42	Rational probe optimization and enhanced detection strategy for microRNAs using microarrays. <i>RNA Biology</i> , 2005 , 2, 93-100	4.8	53
41	Changes in the Excitability of Neocortical Neurons in a Mouse Model of Amyotrophic Lateral Sclerosis Are Not Specific to Corticospinal Neurons and Are Modulated by Advancing Disease. <i>Journal of Neuroscience</i> , 2017 , 37, 9037-9053	6.6	52
40	Computational analysis of noncoding RNAs. <i>Wiley Interdisciplinary Reviews RNA</i> , 2012 , 3, 759-78	9.3	44
39	Evaluation of sense-strand mRNA amplification by comparative quantitative PCR. <i>BMC Genomics</i> , 2004 , 5, 76	4.5	44
38	Group 1 Innate Lymphoid Cell Lineage Identity Is Determined by a cis-Regulatory Element Marked by a Long Non-coding RNA. <i>Immunity</i> , 2017 , 47, 435-449.e8	32.3	38
37	Hypoxia tolerance in the Norrin-deficient retina and the chronically hypoxic brain studied at single-cell resolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 9103-9114	11.5	27
36	Long noncoding RNAs: Central to nervous system development. <i>International Journal of Developmental Neuroscience</i> , 2016 , 55, 109-116	2.7	26
35	A positive feedback mechanism that regulates expression of miR-9 during neurogenesis. <i>PLoS ONE</i> , 2014 , 9, e94348	3.7	23

34	Increased expression of anion transporter SLC26A9 delays diabetes onset in cystic fibrosis. <i>Journal of Clinical Investigation</i> , 2020 , 130, 272-286	15.9	21
33	Creation and characterization of an airway epithelial cell line for stable expression of CFTR variants. <i>Journal of Cystic Fibrosis</i> , 2016 , 15, 285-94	4.1	20
32	Precocious neuronal differentiation and disrupted oxygen responses in Kabuki syndrome. <i>JCI Insight</i> , 2019 , 4,	9.9	19
31	Investigating long noncoding RNAs using animal models. <i>Journal of Clinical Investigation</i> , 2016 , 126, 2783-94	13.9	19
30	Comprehensive analysis of a mouse model of spontaneous uveoretinitis using single-cell RNA sequencing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 ,	11.5	16
29	Rapid induction of genes associated with tissue protection and neural development in contused adult spinal cord after radial glial cell transplantation. <i>Journal of Neurotrauma</i> , 2009 , 26, 979-93	5.4	14
28	Functional differentiation of a clone resembling embryonic cortical interneuron progenitors. <i>Developmental Neurobiology</i> , 2008 , 68, 1549-64	3.2	13
27	Parallel Social Information Processing Circuits Are Differentially Impacted in Autism. <i>Neuron</i> , 2020 , 108, 659-675.e6	13.9	13
26	projectR: an R/Bioconductor package for transfer learning via PCA, NMF, correlation and clustering. <i>Bioinformatics</i> , 2020 , 36, 3592-3593	7.2	11
25	Differential Variation Analysis Enables Detection of Tumor Heterogeneity Using Single-Cell RNA-Sequencing Data. <i>Cancer Research</i> , 2019 , 79, 5102-5112	10.1	10
24	Comprehensive analysis of retinal development at single cell resolution identifies NFI factors as essential for mitotic exit and specification of late-born cells		9
23	A Feedback Mechanism Regulates Odorant Receptor Expression in the Malaria Mosquito, <i>Anopheles gambiae</i>		8
22	A screen of 1,049 schizophrenia and 30 Alzheimer's-associated variants for regulatory potential. <i>American Journal of Medical Genetics Part B: Neuropsychiatric Genetics</i> , 2020 , 183, 61-73	3.5	8
21	Mitoregulin Controls β Oxidation in Human and Mouse Adipocytes. <i>Stem Cell Reports</i> , 2020 , 14, 590-602	8	8
20	Author response: Transcriptional and epigenomic landscapes of CNS and non-CNS vascular endothelial cells 2018 ,		7
19	Decomposing cell identity for transfer learning across cellular measurements, platforms, tissues, and species		7
18	Bioinformatic analysis of neural stem cell differentiation. <i>Journal of Biomolecular Techniques</i> , 2007 , 18, 205-12	1.1	5
17	Striking heterogeneity of somatic L1 retrotransposition in single normal and cancerous gastrointestinal cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 32215-32222	11.5	5

16	Universal prediction of cell-cycle position using transfer learning.. <i>Genome Biology</i> , 2022 , 23, 41	18.3	3
15	Screening non-MAPT genes of the Chr17q21 H1 haplotype in Parkinson's disease. <i>Parkinsonism and Related Disorders</i> , 2020 , 78, 138-144	3.6	3
14	Developmental, cellular, and behavioral phenotypes in a mouse model of congenital hypoplasia of the dentate gyrus. <i>ELife</i> , 2020 , 9,	8.9	2
13	projectR: An R/Bioconductor package for transfer learning via PCA, NMF, correlation, and clustering		2
12	Linear models enable powerful differential activity analysis in massively parallel reporter assays		2
11	Enter the matrix: factorization uncovers knowledge from omics Names/Affiliations		2
10	A screen of 1,049 schizophrenia and 30 Alzheimer's-associated variants for regulatory potential		2
9	Variation in neuronal activity state, axonal projection target, and position principally define the transcriptional identity of individual neocortical projection neurons		2
8	Follistatin promotes LIN28B-mediated supporting cell reprogramming and hair cell regeneration in the murine cochlea.. <i>Science Advances</i> , 2022 , 8, eabj7651	14.3	1
7	Precocious neuronal differentiation and disrupted oxygen responses in Kabuki syndrome		1
6	Universal prediction of cell cycle position using transfer learning		1
5	Differential Expression Levels of Sox9 in Early Neocortical Radial Glial Cells Regulate the Decision between Stem Cell Maintenance and Differentiation. <i>Journal of Neuroscience</i> , 2021 , 41, 6969-6986	6.6	1
4	An in vivo screen of noncoding loci reveals that is a gatekeeper of an Ikaros-dependent checkpoint during haematopoiesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	1
3	The Analysis of MicroRNAs in Stem Cells 2008 , 141-167		1
2	Odorant-receptor-mediated regulation of chemosensory gene expression in the malaria mosquito <i>Anopheles gambiae</i> .. <i>Cell Reports</i> , 2022 , 38, 110494	10.6	0
1	Postnatal Smad3 Inactivation in Murine Smooth Muscle Cells Elicits a Temporally and Regionally Distinct Transcriptional Response.. <i>Frontiers in Cardiovascular Medicine</i> , 2022 , 9, 826495	5.4	0