

Loyal A Goff

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

24,287
citations

126708

33
h-index

138251

58
g-index

81
all docs

81
docs citations

81
times ranked

46822
citing authors

#	ARTICLE	IF	CITATIONS
1	Differential gene and transcript expression analysis of RNA-seq experiments with TopHat and Cufflinks. <i>Nature Protocols</i> , 2012, 7, 562-578.	5.5	11,433
2	Differential analysis of gene regulation at transcript resolution with RNA-seq. <i>Nature Biotechnology</i> , 2013, 31, 46-53.	9.4	3,256
3	Integrative annotation of human large intergenic noncoding RNAs reveals global properties and specific subclasses. <i>Genes and Development</i> , 2011, 25, 1915-1927.	2.7	3,208
4	Multiple knockout mouse models reveal lincRNAs are required for life and brain development. <i>ELife</i> , 2013, 2, e01749.	2.8	609
5	Topological organization of multichromosomal regions by the long intergenic noncoding RNA Firre. <i>Nature Structural and Molecular Biology</i> , 2014, 21, 198-206.	3.6	565
6	DNMT1-interacting RNAs block gene-specific DNA methylation. <i>Nature</i> , 2013, 503, 371-376.	13.7	446
7	Long noncoding RNAs regulate adipogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 3387-3392.	3.3	371
8	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.	3.8	343
9	Linear models enable powerful differential activity analysis in massively parallel reporter assays. <i>BMC Genomics</i> , 2019, 20, 209.	1.2	322
10	Differential regulation of microRNA stability. <i>Rna</i> , 2010, 16, 1032-1039.	1.6	253
11	DeCoN: Genome-wide Analysis of In Vivo Transcriptional Dynamics during Pyramidal Neuron Fate Selection in Neocortex. <i>Neuron</i> , 2015, 85, 275-288.	3.8	248
12	The long non-coding RNA Morrbid regulates Bim and short-lived myeloid cell lifespan. <i>Nature</i> , 2016, 537, 239-243.	13.7	234
13	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, 984-997.	6.6	223
14	Enter the Matrix: Factorization Uncovers Knowledge from Omics. <i>Trends in Genetics</i> , 2018, 34, 790-805.	2.9	181
15	Transcriptional and epigenomic landscapes of CNS and non-CNS vascular endothelial cells. <i>ELife</i> , 2018, 7, .	2.8	180
16	MicroRNA Expression Pattern of Undifferentiated and Differentiated Human Embryonic Stem Cells. <i>Stem Cells and Development</i> , 2007, 16, 1003-1016.	1.1	173
17	Single-Cell Analysis of Human Retina Identifies Evolutionarily Conserved and Species-Specific Mechanisms Controlling Development. <i>Developmental Cell</i> , 2020, 53, 473-491.e9.	3.1	170
18	Linking RNA biology to lincRNAs. <i>Genome Research</i> , 2015, 25, 1456-1465.	2.4	158

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19	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, 6855-6862.	3.3	152
20	Gene co-regulation by Fezf2 selects neurotransmitter identity and connectivity of corticospinal neurons. <i>Nature Neuroscience</i> , 2014, 17, 1046-1054.	7.1	121
21	Decomposing Cell Identity for Transfer Learning across Cellular Measurements, Platforms, Tissues, and Species. <i>Cell Systems</i> , 2019, 8, 395-411.e8.	2.9	121
22	Ago2 Immunoprecipitation Identifies Predicted MicroRNAs in Human Embryonic Stem Cells and Neural Precursors. <i>PLoS ONE</i> , 2009, 4, e7192.	1.1	103
23	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.	3.3	102
24	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.	2.6	102
25	Differentiating human multipotent mesenchymal stromal cells regulate microRNAs: Prediction of microRNA regulation by PDGF during osteogenesis. <i>Experimental Hematology</i> , 2008, 36, 1354-1369.e2.	0.2	88
26	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.	1.7	81
27	RNase-mediated protein footprint sequencing reveals protein-binding sites throughout the human transcriptome. <i>Genome Biology</i> , 2014, 15, R3.	13.9	76
28	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.	1.1	68
29	Rational Probe Optimization and Enhanced Detection Strategy for MicroRNAs Using Microarrays. <i>RNA Biology</i> , 2005, 2, 93-100.	1.5	58
30	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.	6.6	57
31	Parallel Social Information Processing Circuits Are Differentially Impacted in Autism. <i>Neuron</i> , 2020, 108, 659-675.e6.	3.8	52
32	Computational analysis of noncoding RNAs. <i>Wiley Interdisciplinary Reviews RNA</i> , 2012, 3, 759-778.	3.2	50
33	Evaluation of sense-strand mRNA amplification by comparative quantitative PCR. <i>BMC Genomics</i> , 2004, 5, 76.	1.2	45
34	projectR: an R/Bioconductor package for transfer learning via PCA, NMF, correlation and clustering. <i>Bioinformatics</i> , 2020, 36, 3592-3593.	1.8	45
35	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.	3.3	44
36	Precocious neuronal differentiation and disrupted oxygen responses in Kabuki syndrome. <i>JCI Insight</i> , 2019, 4, .	2.3	41

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37	Long noncoding RNAs: Central to nervous system development. <i>International Journal of Developmental Neuroscience</i> , 2016, 55, 109-116.	0.7	34
38	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, 116, 26734-26744.	3.3	33
39	Increased expression of anion transporter SLC26A9 delays diabetes onset in cystic fibrosis. <i>Journal of Clinical Investigation</i> , 2019, 130, 272-286.	3.9	33
40	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.	1.1	31
41	Mitoregulin Controls \dot{I}^2 -Oxidation in Human and Mouse Adipocytes. <i>Stem Cell Reports</i> , 2020, 14, 590-602.	2.3	31
42	Universal prediction of cell-cycle position using transfer learning. <i>Genome Biology</i> , 2022, 23, 41.	3.8	30
43	Creation and characterization of an airway epithelial cell line for stable expression of CFTR variants. <i>Journal of Cystic Fibrosis</i> , 2016, 15, 285-294.	0.3	28
44	A Positive Feedback Mechanism That Regulates Expression of miR-9 during Neurogenesis. <i>PLoS ONE</i> , 2014, 9, e94348.	1.1	28
45	Differential Variation Analysis Enables Detection of Tumor Heterogeneity Using Single-Cell RNA-Sequencing Data. <i>Cancer Research</i> , 2019, 79, 5102-5112.	0.4	23
46	Investigating long noncoding RNAs using animal models. <i>Journal of Clinical Investigation</i> , 2016, 126, 2783-2791.	3.9	23
47	Follistatin promotes LIN28B-mediated supporting cell reprogramming and hair cell regeneration in the murine cochlea. <i>Science Advances</i> , 2022, 8, eabj7651.	4.7	21
48	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, 979-993.	1.7	15
49	Functional differentiation of a clone resembling embryonic cortical interneuron progenitors. <i>Developmental Neurobiology</i> , 2008, 68, 1549-1564.	1.5	13
50	Screening non-MAPT genes of the Chr17q21 H1 haplotype in Parkinson's disease. <i>Parkinsonism and Related Disorders</i> , 2020, 78, 138-144.	1.1	12
51	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.	1.7	12
52	Odorant-receptor-mediated regulation of chemosensory gene expression in the malaria mosquito <i>Anopheles gambiae</i> . <i>Cell Reports</i> , 2022, 38, 110494.	2.9	12
53	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.	3.3	11
54	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.	1.1	7

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55	Poly-combing the genome for RNA. Nature Structural and Molecular Biology, 2013, 20, 1344-1346.	3.6	6
56	Bioinformatic analysis of neural stem cell differentiation. Journal of Biomolecular Techniques, 2007, 18, 205-12.	0.8	5
57	An in vivo screen of noncoding loci reveals that <i>Daedalus</i> is a gatekeeper of an Ikaros-dependent checkpoint during haematopoiesis. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	2
58	Single-Cell Analysis of Human Retina Identifies Evolutionarily Conserved and Species-Specific Mechanisms Controlling Development. SSRN Electronic Journal, 0, , .	0.4	2
59	Developmental, cellular, and behavioral phenotypes in a mouse model of congenital hypoplasia of the dentate gyrus. ELife, 2020, 9, .	2.8	2
60	The Analysis of MicroRNAs in Stem Cells. , 2008, , 141-167.		1
61	Rapid induction of genes associated with tissue protection and neural development in contused adult spinal cord after radial glial cell transplantation. Journal of Neurotrauma, 0, , 090330061141047.	1.7	1