

Geoffrey J Faulkner

List of Publications by Year in descending order

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75
papers

15,982
citations

71102

41
h-index

79698

73
g-index

86
all docs

86
docs citations

86
times ranked

23691
citing authors

#	ARTICLE	IF	CITATIONS
1	The Transcriptional Landscape of the Mammalian Genome. <i>Science</i> , 2005, 309, 1559-1563.	12.6	3,227
2	A promoter-level mammalian expression atlas. <i>Nature</i> , 2014, 507, 462-470.	27.8	1,838
3	Bellerophon: a program to detect chimeric sequences in multiple sequence alignments. <i>Bioinformatics</i> , 2004, 20, 2317-2319.	4.1	1,443
4	Analyses of pig genomes provide insight into porcine demography and evolution. <i>Nature</i> , 2012, 491, 393-398.	27.8	1,190
5	Stem cell transcriptome profiling via massive-scale mRNA sequencing. <i>Nature Methods</i> , 2008, 5, 613-619.	19.0	952
6	The regulated retrotransposon transcriptome of mammalian cells. <i>Nature Genetics</i> , 2009, 41, 563-571.	21.4	731
7	Somatic retrotransposition alters the genetic landscape of the human brain. <i>Nature</i> , 2011, 479, 534-537.	27.8	621
8	Transcribed enhancers lead waves of coordinated transcription in transitioning mammalian cells. <i>Science</i> , 2015, 347, 1010-1014.	12.6	517
9	The transcriptional network that controls growth arrest and differentiation in a human myeloid leukemia cell line. <i>Nature Genetics</i> , 2009, 41, 553-562.	21.4	408
10	Endogenous Retrotransposition Activates Oncogenic Pathways in Hepatocellular Carcinoma. <i>Cell</i> , 2013, 153, 101-111.	28.9	352
11	Conservation and divergence in Toll-like receptor 4-regulated gene expression in primary human versus mouse macrophages. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, E944-53.	7.1	332
12	Tiny RNAs associated with transcription start sites in animals. <i>Nature Genetics</i> , 2009, 41, 572-578.	21.4	327
13	Ubiquitous L1 Mosaicism in Hippocampal Neurons. <i>Cell</i> , 2015, 161, 228-239.	28.9	292
14	Extensive somatic L1 retrotransposition in colorectal tumors. <i>Genome Research</i> , 2012, 22, 2328-2338.	5.5	235
15	A global view of genomic information "moving beyond the gene and the master regulator. <i>Trends in Genetics</i> , 2010, 26, 21-28.	6.7	208
16	Point Mutations in Exon 1B of APC Reveal Gastric Adenocarcinoma and Proximal Polyposis of the Stomach as a Familial Adenomatous Polyposis Variant. <i>American Journal of Human Genetics</i> , 2016, 98, 830-842.	6.2	201
17	FANTOM5 CAGE profiles of human and mouse samples. <i>Scientific Data</i> , 2017, 4, 170112.	5.3	195
18	Analysis of the human monocyte-derived macrophage transcriptome and response to lipopolysaccharide provides new insights into genetic aetiology of inflammatory bowel disease. <i>PLoS Genetics</i> , 2017, 13, e1006641.	3.5	161

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19	L1 Retrotransposons and Somatic Mosaicism in the Brain. <i>Annual Review of Genetics</i> , 2014, 48, 1-27.	7.6	159
20	The Role of Transposable Elements in Health and Diseases of the Central Nervous System. <i>Journal of Neuroscience</i> , 2013, 33, 17577-17586.	3.6	155
21	Overcoming challenges and dogmas to understand the functions of pseudogenes. <i>Nature Reviews Genetics</i> , 2020, 21, 191-201.	16.3	151
22	Transposable elements in the mammalian embryo: pioneers surviving through stealth and service. <i>Genome Biology</i> , 2016, 17, 100.	8.8	138
23	Cross-mapping and the identification of editing sites in mature microRNAs in high-throughput sequencing libraries. <i>Genome Research</i> , 2010, 20, 257-264.	5.5	126
24	Genetic control of the innate immune response. <i>BMC Immunology</i> , 2003, 4, 5.	2.2	119
25	Nanopore Sequencing Enables Comprehensive Transposable Element Epigenomic Profiling. <i>Molecular Cell</i> , 2020, 80, 915-928.e5.	9.7	117
26	Reprogramming triggers endogenous L1 and Alu retrotransposition in human induced pluripotent stem cells. <i>Nature Communications</i> , 2016, 7, 10286.	12.8	113
27	LINE-1 Evasion of Epigenetic Repression in Humans. <i>Molecular Cell</i> , 2019, 75, 590-604.e12.	9.7	106
28	L1 retrotransposons, cancer stem cells and oncogenesis. <i>FEBS Journal</i> , 2014, 281, 63-73.	4.7	98
29	A rescue strategy for multimapping short sequence tags refines surveys of transcriptional activity by CAGE. <i>Genomics</i> , 2008, 91, 281-288.	2.9	92
30	L1 Mosaicism in Mammals: Extent, Effects, and Evolution. <i>Trends in Genetics</i> , 2017, 33, 802-816.	6.7	92
31	Heritable L1 retrotransposition in the mouse primordial germline and early embryo. <i>Genome Research</i> , 2017, 27, 1395-1405.	5.5	90
32	L1 retrotransposition is a common feature of mammalian hepatocarcinogenesis. <i>Genome Research</i> , 2018, 28, 639-653.	5.5	79
33	The Expression of <i>Clcn7</i> and <i>Ostm1</i> in Osteoclasts Is Coregulated by Microphthalmia Transcription Factor. <i>Journal of Biological Chemistry</i> , 2007, 282, 1891-1904.	3.4	73
34	Endogenous retroviruses in the origins and treatment of cancer. <i>Genome Biology</i> , 2021, 22, 147.	8.8	73
35	Alternate transcription of the Toll-like receptor signaling cascade. <i>Genome Biology</i> , 2006, 7, R10.	9.6	66
36	L1 retrotransposition in the soma: a field jumping ahead. <i>Mobile DNA</i> , 2018, 9, 22.	3.6	63

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37	Altruistic functions for selfish DNA. <i>Cell Cycle</i> , 2009, 8, 2895-2900.	2.6	60
38	Retrotransposon-induced mosaicism in the neural genome. <i>Open Biology</i> , 2018, 8, .	3.6	58
39	Promoter architecture of mouse olfactory receptor genes. <i>Genome Research</i> , 2012, 22, 486-497.	5.5	52
40	Genome-wide review of transcriptional complexity in mouse protein kinases and phosphatases. <i>Genome Biology</i> , 2006, 7, R5.	9.6	48
41	RNA-MATE: a recursive mapping strategy for high-throughput RNA-sequencing data. <i>Bioinformatics</i> , 2009, 25, 2615-2616.	4.1	45
42	Retrotransposons: Mobile and mutagenic from conception to death. <i>FEBS Letters</i> , 2011, 585, 1589-1594.	2.8	45
43	L1 Retrotransposon Heterogeneity in Ovarian Tumor Cell Evolution. <i>Cell Reports</i> , 2018, 23, 3730-3740.	6.4	43
44	Continued Discovery of Transcriptional Units Expressed in Cells of the Mouse Mononuclear Phagocyte Lineage. <i>Genome Research</i> , 2003, 13, 1360-1365.	5.5	41
45	Probabilistic resolution of multi-mapping reads in massively parallel sequencing data using MuMRRescueLite. <i>Bioinformatics</i> , 2009, 25, 2613-2614.	4.1	41
46	No evidence of human genome integration of SARS-CoV-2 found by long-read DNA sequencing. <i>Cell Reports</i> , 2021, 36, 109530.	6.4	39
47	Diversity through duplication: Whole-genome sequencing reveals novel gene retrocopies in the human population. <i>BioEssays</i> , 2014, 36, 475-481.	2.5	36
48	Evidence for L1-associated DNA rearrangements and negligible L1 retrotransposition in glioblastoma multiforme. <i>Mobile DNA</i> , 2016, 7, 21.	3.6	32
49	Long-read cDNA sequencing identifies functional pseudogenes in the human transcriptome. <i>Genome Biology</i> , 2021, 22, 146.	8.8	26
50	Genome-wide methylated CpG island profiles of melanoma cells reveal a melanoma coregulation network. <i>Scientific Reports</i> , 2013, 3, 2962.	3.3	22
51	Dynamic Methylation of an L1 Transduction Family during Reprogramming and Neurodifferentiation. <i>Molecular and Cellular Biology</i> , 2019, 39, .	2.3	22
52	On the role of H3.3 in retroviral silencing. <i>Nature</i> , 2017, 548, E1-E3.	27.8	19
53	Mutual epithelium-macrophage dependency in liver carcinogenesis mediated by ST18. <i>Hepatology</i> , 2017, 65, 1708-1719.	7.3	19
54	Retrotransposon Capture Sequencing (RC-Seq): A Targeted, High-Throughput Approach to Resolve Somatic L1 Retrotransposition in Humans. <i>Methods in Molecular Biology</i> , 2016, 1400, 47-77.	0.9	18

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55	Processed pseudogenes: A substrate for evolutionary innovation. <i>BioEssays</i> , 2021, 43, e2100186.	2.5	18
56	Heritable L1 Retrotransposition Events During Development: Understanding Their Origins. <i>BioEssays</i> , 2018, 40, e1700189.	2.5	17
57	Shared activity patterns arising at genetic susceptibility loci reveal underlying genomic and cellular architecture of human disease. <i>PLoS Computational Biology</i> , 2018, 14, e1005934.	3.2	17
58	Is somatic retrotransposition a parasitic or symbiotic phenomenon?. <i>Mobile Genetic Elements</i> , 2011, 1, 279-328.	1.8	14
59	NanoCAGE analysis of the mouse olfactory epithelium identifies the expression of vomeronasal receptors and of proximal LINE elements. <i>Frontiers in Cellular Neuroscience</i> , 2014, 8, 41.	3.7	11
60	Discovery of widespread transcription initiation at microsatellites predictable by sequence-based deep neural network. <i>Nature Communications</i> , 2021, 12, 3297.	12.8	11
61	Hippocampal neurogenesis mediates sex-specific effects of social isolation and exercise on fear extinction in adolescence. <i>Neurobiology of Stress</i> , 2021, 15, 100367.	4.0	9
62	Retrotransposon Silencing During Embryogenesis: Dicer Cuts in LINE. <i>PLoS Genetics</i> , 2013, 9, e1003944.	3.5	8
63	An early proinflammatory transcriptional response to tau pathology is age-specific and foreshadows reduced tau burden. <i>Brain Pathology</i> , 2022, 32, e13018.	4.1	7
64	HCV Activates Somatic L1 Retrotransposition—A Potential Hepatocarcinogenesis Pathway. <i>Cancers</i> , 2021, 13, 5079.	3.7	7
65	Absence of coding somatic single nucleotide variants within well-known candidate genes in late-onset sporadic Alzheimer's Disease based on the analysis of multi-omics data. <i>Neurobiology of Aging</i> , 2021, 108, 207-209.	3.1	6
66	TET enzymes: double agents in the transposable element–host genome conflict. <i>Genome Biology</i> , 2016, 17, 259.	8.8	5
67	Visualization and analysis of RNA-Seq assembly graphs. <i>Nucleic Acids Research</i> , 2019, 47, 7262-7275.	14.5	4
68	Somatic retrotransposition in the developing rhesus macaque brain. <i>Genome Research</i> , 2022, 32, 1298-1314.	5.5	4
69	Blood from “junk”: the LTR chimeric transcript Pu.2 promotes erythropoiesis. <i>Mobile DNA</i> , 2014, 5, 15.	3.6	3
70	Meeting report: mobile genetic elements and genome plasticity 2018. <i>Mobile DNA</i> , 2018, 9, 21.	3.6	3
71	Neuronal Genome Plasticity: Retrotransposons, Environment and Disease. , 2017, , 107-125.		2
72	Retrotransposons: still mobile in humans. <i>Nature Reviews Genetics</i> , 2022, , .	16.3	1

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73	Analysis of Somatic LINE-1 Insertions in Neurons. <i>Neuromethods</i> , 2017, , 219-251.	0.3	0
74	The evolving gene regulatory landscapeâ€™a tinkerer of complex creatures. <i>Genome Biology</i> , 2021, 22, 199.	8.8	0
75	Setting CAGE Tags in a Genomic Context. , 2019, , 93-100.		0