Geoffrey J Faulkner

List of Publications by Year
in descending order

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	An early proinflammatory transcriptional response to tau pathology is ageâ€specific and foreshadows reduced tau burden. Brain Pathology, 2022, 32, e13018.	4.1	7
2	Retrotransposons: still mobile in humans. Nature Reviews Genetics, 2022, , .	16.3	1
3	Somatic retrotransposition in the developing rhesus macaque brain. Genome Research, 2022, 32, 1298-1314.	5.5	4
4	Long-read cDNA sequencing identifies functional pseudogenes in the human transcriptome. Genome Biology, 2021, 22, 146.	8.8	26
5	Endogenous retroviruses in the origins and treatment of cancer. Genome Biology, 2021, 22, 147.	8.8	73
6	Discovery of widespread transcription initiation at microsatellites predictable by sequence-based deep neural network. Nature Communications, 2021, 12, 3297.	12.8	11
7	The evolving gene regulatory landscapeâ€"a tinkerer of complex creatures. Genome Biology, 2021, 22, 199.	8.8	0
8	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. Neurobiology of Aging, 2021, 108, 207-209.	3.1	6
9	No evidence of human genome integration of SARS-CoV-2 found by long-read DNA sequencing. Cell Reports, 2021, 36, 109530.	6.4	39
10	Processed pseudogenes: A substrate for evolutionary innovation. BioEssays, 2021, 43, e2100186.	2.5	18
11	Hippocampal neurogenesis mediates sex-specific effects of social isolation and exercise on fear extinction in adolescence. Neurobiology of Stress, 2021, 15, 100367.	4.0	9
12	HCV Activates Somatic L1 Retrotranspositionâ€"A Potential Hepatocarcinogenesis Pathway. Cancers, 2021, 13, 5079.	3.7	7
13	Overcoming challenges and dogmas to understand the functions of pseudogenes. Nature Reviews Genetics, 2020, 21, 191-201.	16.3	151
14	Nanopore Sequencing Enables Comprehensive Transposable Element Epigenomic Profiling. Molecular Cell, 2020, 80, 915-928.e5.	9.7	117
15	Visualization and analysis of RNA-Seq assembly graphs. Nucleic Acids Research, 2019, 47, 7262-7275.	14.5	4
16	LINE-1 Evasion of Epigenetic Repression in Humans. Molecular Cell, 2019, 75, 590-604.e12.	9.7	106
17	Dynamic Methylation of an L1 Transduction Family during Reprogramming and Neurodifferentiation. Molecular and Cellular Biology, 2019, 39, .	2.3	22
18	Setting CAGE Tags in a Genomic Context. , 2019, , 93-100.		0

#	Article	IF	Citations
19	L1 retrotransposition is a common feature of mammalian hepatocarcinogenesis. Genome Research, 2018, 28, 639-653.	5.5	79
20	Heritable L1 Retrotransposition Events During Development: Understanding Their Origins. BioEssays, 2018, 40, e1700189.	2.5	17
21	L1 retrotransposition in the soma: a field jumping ahead. Mobile DNA, 2018, 9, 22.	3.6	63
22	L1 Retrotransposon Heterogeneity in Ovarian Tumor Cell Evolution. Cell Reports, 2018, 23, 3730-3740.	6.4	43
23	Meeting report: mobile genetic elements and genome plasticity 2018. Mobile DNA, 2018, 9, 21.	3.6	3
24	Retrotransposon-induced mosaicism in the neural genome. Open Biology, 2018, 8, .	3.6	58
25	Shared activity patterns arising at genetic susceptibility loci reveal underlying genomic and cellular architecture of human disease. PLoS Computational Biology, 2018, 14, e1005934.	3.2	17
26	Heritable L1 retrotransposition in the mouse primordial germline and early embryo. Genome Research, 2017, 27, 1395-1405.	5.5	90
27	FANTOM5 CAGE profiles of human and mouse samples. Scientific Data, 2017, 4, 170112.	5.3	195
28	Analysis of Somatic LINE-1 Insertions in Neurons. Neuromethods, 2017, , 219-251.	0.3	0
29	On the role of H3.3 in retroviral silencing. Nature, 2017, 548, E1-E3.	27.8	19
30	L1 Mosaicism in Mammals: Extent, Effects, and Evolution. Trends in Genetics, 2017, 33, 802-816.	6.7	92
31	Mutual epitheliumâ€macrophage dependency in liver carcinogenesis mediated by ST18. Hepatology, 2017, 65, 1708-1719.	7.3	19
32	Analysis of the human monocyte-derived macrophage transcriptome and response to lipopolysaccharide provides new insights into genetic aetiology of inflammatory bowel disease. PLoS Genetics, 2017, 13, e1006641.	3.5	161
33	Neuronal Genome Plasticity: Retrotransposons, Environment and Disease. , 2017, , 107-125.		2
34	TET enzymes: double agents in the transposable elementâ€"host genome conflict. Genome Biology, 2016, 17, 259.	8.8	5
35	Point Mutations in Exon 1B of APC Reveal Gastric Adenocarcinoma and Proximal Polyposis of the Stomach as a Familial Adenomatous Polyposis Variant. American Journal of Human Genetics, 2016, 98, 830-842.	6.2	201
36	Evidence for L1-associated DNA rearrangements and negligible L1 retrotransposition in glioblastoma multiforme. Mobile DNA, 2016, 7, 21.	3.6	32

#	Article	IF	Citations
37	Transposable elements in the mammalian embryo: pioneers surviving through stealth and service. Genome Biology, 2016, 17, 100.	8.8	138
38	Retrotransposon Capture Sequencing (RC-Seq): A Targeted, High-Throughput Approach to Resolve Somatic L1 Retrotransposition in Humans. Methods in Molecular Biology, 2016, 1400, 47-77.	0.9	18
39	Reprogramming triggers endogenous L1 and Alu retrotransposition in human induced pluripotent stem cells. Nature Communications, 2016, 7, 10286.	12.8	113
40	Transcribed enhancers lead waves of coordinated transcription in transitioning mammalian cells. Science, 2015, 347, 1010-1014.	12.6	517
41	Ubiquitous L1 Mosaicism in Hippocampal Neurons. Cell, 2015, 161, 228-239.	28.9	292
42	NanoCAGE analysis of the mouse olfactory epithelium identifies the expression of vomeronasal receptors and of proximal LINE elements. Frontiers in Cellular Neuroscience, 2014, 8, 41.	3.7	11
43	Diversity through duplication: Wholeâ€genome sequencing reveals novel gene retrocopies in the human population. BioEssays, 2014, 36, 475-481.	2.5	36
44	A promoter-level mammalian expression atlas. Nature, 2014, 507, 462-470.	27.8	1,838
45	L1 retrotransposons, cancer stem cells and oncogenesis. FEBS Journal, 2014, 281, 63-73.	4.7	98
46	L1 Retrotransposons and Somatic Mosaicism in the Brain. Annual Review of Genetics, 2014, 48, 1-27.	7.6	159
47	Blood from â€˜junkâ€™: the LTR chimeric transcript Pu.2 promotes erythropoiesis. Mobile DNA, 2014, 5, 15.	3.6	3
48	The Role of Transposable Elements in Health and Diseases of the Central Nervous System. Journal of Neuroscience, 2013, 33, 17577-17586.	3.6	155
49	Endogenous Retrotransposition Activates Oncogenic Pathways in Hepatocellular Carcinoma. Cell, 2013, 153, 101-111.	28.9	352
50	Retrotransposon Silencing During Embryogenesis: Dicer Cuts in LINE. PLoS Genetics, 2013, 9, e1003944.	3.5	8
51	Genome-wide methylated CpG island profiles of melanoma cells reveal a melanoma coregulation network. Scientific Reports, 2013, 3, 2962.	3.3	22
52	Extensive somatic L1 retrotransposition in colorectal tumors. Genome Research, 2012, 22, 2328-2338.	5.5	235
53	Promoter architecture of mouse olfactory receptor genes. Genome Research, 2012, 22, 486-497.	5.5	52
54	Analyses of pig genomes provide insight into porcine demography and evolution. Nature, 2012, 491, 393-398.	27.8	1,190

#	Article	IF	Citations
55	Conservation and divergence in Toll-like receptor 4-regulated gene expression in primary human versus mouse macrophages. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E944-53.	7.1	332
56	Retrotransposons: Mobile and mutagenic from conception to death. FEBS Letters, 2011, 585, 1589-1594.	2.8	45
57	Somatic retrotransposition alters the genetic landscape of the human brain. Nature, 2011, 479, 534-537.	27.8	621
58	Is somatic retrotransposition a parasitic or symbiotic phenomenon?. Mobile Genetic Elements, 2011, 1, 279-328.	1.8	14
59	A global view of genomic information â€" moving beyond the gene and the master regulator. Trends in Genetics, 2010, 26, 21-28.	6.7	208
60	Cross-mapping and the identification of editing sites in mature microRNAs in high-throughput sequencing libraries. Genome Research, 2010, 20, 257-264.	5.5	126
61	Probabilistic resolution of multi-mapping reads in massively parallel sequencing data using MuMRescueLite. Bioinformatics, 2009, 25, 2613-2614.	4.1	41
62	RNA-MATE: a recursive mapping strategy for high-throughput RNA-sequencing data. Bioinformatics, 2009, 25, 2615-2616.	4.1	45
63	Tiny RNAs associated with transcription start sites in animals. Nature Genetics, 2009, 41, 572-578.	21.4	327
64	The regulated retrotransposon transcriptome of mammalian cells. Nature Genetics, 2009, 41, 563-571.	21.4	731
65	The transcriptional network that controls growth arrest and differentiation in a human myeloid leukemia cell line. Nature Genetics, 2009, 41, 553-562.	21.4	408
66	Altruistic functions for selfish DNA. Cell Cycle, 2009, 8, 2895-2900.	2.6	60
67	Stem cell transcriptome profiling via massive-scale mRNA sequencing. Nature Methods, 2008, 5, 613-619.	19.0	952
68	A rescue strategy for multimapping short sequence tags refines surveys of transcriptional activity by CAGE. Genomics, 2008, 91, 281-288.	2.9	92
69	The Expression of Clcn7 and Ostm1 in Osteoclasts Is Coregulated by Microphthalmia Transcription Factor. Journal of Biological Chemistry, 2007, 282, 1891-1904.	3.4	73
70	Alternate transcription of the Toll-like receptor signaling cascade. Genome Biology, 2006, 7, R10.	9.6	66
71	Genome-wide review of transcriptional complexity in mouse protein kinases and phosphatases. Genome Biology, 2006, 7, R5.	9.6	48
72	The Transcriptional Landscape of the Mammalian Genome. Science, 2005, 309, 1559-1563.	12.6	3,227

#	Article	IF	Citations
73	Bellerophon: a program to detect chimeric sequences in multiple sequence alignments. Bioinformatics, 2004, 20, 2317-2319.	4.1	1,443
74	Genetic control of the innate immune response. BMC Immunology, 2003, 4, 5.	2.2	119
75	Continued Discovery of Transcriptional Units Expressed in Cells of the Mouse Mononuclear Phagocyte Lineage. Genome Research, 2003, 13, 1360-1365.	5.5	41