Sean D Mcgrath

List of Publications by Year
in descending order

52 papers	15,482 citations	218677 26 h-index	197818 49 g-index
56 all docs	56 docs citations	56 times ranked	24271 citing authors

#	Article	IF	Citations
1	Recurring Mutations Found by Sequencing an Acute Myeloid Leukemia Genome. New England Journal of Medicine, 2009, 361, 1058-1066.	27.0	2,009
2	Clonal evolution in relapsed acute myeloid leukaemia revealed by whole-genome sequencing. Nature, 2012, 481, 506-510.	27.8	1,795
3	DNMT3AMutations in Acute Myeloid Leukemia. New England Journal of Medicine, 2010, 363, 2424-2433.	27.0	1,777
4	The Origin and Evolution of Mutations in Acute Myeloid Leukemia. Cell, 2012, 150, 264-278.	28.9	1,365
5	BreakDancer: an algorithm for high-resolution mapping of genomic structural variation. Nature Methods, 2009, 6, 677-681.	19.0	1,322
6	DNA sequencing of a cytogenetically normal acute myeloid leukaemia genome. Nature, 2008, 456, 66-72.	27.8	1,275
7	Genome remodelling in a basal-like breast cancer metastasis and xenograft. Nature, 2010, 464, 999-1005.	27.8	1,077
8	Segmental Duplications and Copy-Number Variation in the Human Genome. American Journal of Human Genetics, 2005, 77, 78-88.	6.2	872
9	Evaluation of GRCh38 and de novo haploid genome assemblies demonstrates the enduring quality of the reference assembly. Genome Research, 2017, 27, 849-864.	5.5	728
10	Chimpanzee and human Y chromosomes are remarkably divergent in structure and gene content. Nature, 2010, 463, 536-539.	27.8	381
11	Characterizing the Major Structural Variant Alleles of the Human Genome. Cell, 2019, 176, 663-675.e19.	28.9	364
12	Linkage Disequilibrium and Heritability of Copy-Number Polymorphisms within Duplicated Regions of the Human Genome. American Journal of Human Genetics, 2006, 79, 275-290.	6.2	283
13	Mutant U2AF1 Expression Alters Hematopoiesis and Pre-mRNA Splicing InÂVivo. Cancer Cell, 2015, 27, 631-643.	16.8	259
14	A Sequence Motif within Chromatin Entry Sites Directs MSL Establishment on the Drosophila X Chromosome. Cell, 2008, 134, 599-609.	28.9	256
15	Hotspots for copy number variation in chimpanzees and humans. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 8006-8011.	7.1	231
16	The Oxytricha trifallax Macronuclear Genome: A Complex Eukaryotic Genome with 16,000 Tiny Chromosomes. PLoS Biology, 2013, 11, e1001473.	5.6	198
17	Optimizing Cancer Genome Sequencing and Analysis. Cell Systems, 2015, 1, 210-223.	6.2	174
18	Transcriptome-Wide Identification of Novel Imprinted Genes in Neonatal Mouse Brain. PLoS ONE, 2008, 3, e3839.	2.5	170

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19	A genome-wide survey of structural variation between human and chimpanzee. Genome Research, 2005, 15, 1344-1356.	5.5	153
20	Sequencing a mouse acute promyelocytic leukemia genome reveals genetic events relevant for disease progression. Journal of Clinical Investigation, 2011, 121, 1445-1455.	8.2	91
21	The Frequency and Effects of Cytochrome P450 (CYP) 2C9 Polymorphisms in Patients Receiving Warfarin. Journal of the American College of Surgeons, 2002, 194, 267-273.	0.5	86
22	Lineage-Specific Expansions of Retroviral Insertions within the Genomes of African Great Apes but Not Humans and Orangutans. PLoS Biology, 2005, 3, e110.	5.6	84
23	Cytochrome P450 polymorphisms are associated with reduced warfarin dose. Surgery, 2000, 128, 281-285.	1.9	75
24	The value of avian genomics to the conservation of wildlife. BMC Genomics, 2009, 10, S10.	2.8	75
25	Comprehensive genomic analysis reveals FLT3 activation and a therapeutic strategy for a patient with relapsed adult B-lymphoblastic leukemia. Experimental Hematology, 2016, 44, 603-613.	0.4	44
26	cDNA Hybrid Capture Improves Transcriptome Analysis on Low-Input and Archived Samples. Journal of Molecular Diagnostics, 2014, 16, 440-451.	2.8	40
27	Detection of brain somatic variation in epilepsyâ€associated developmental lesions. Epilepsia, 2022, 63, 1981-1997.	5.1	29
28	PTEN somatic mutations contribute to spectrum of cerebral overgrowth. Brain, 2021, 144, 2971-2978.	7.6	23
29	Identification of a novel fusion transcript between human relaxin-1 (RLN1) and human relaxin-2 (RLN2) in prostate cancer. Molecular and Cellular Endocrinology, 2016, 420, 159-168.	3.2	18
30	Improving eukaryotic genome annotation using single molecule mRNA sequencing. BMC Genomics, 2018, 19, 172.	2.8	17
31	Infantile fibrosarcomaâ€“like tumor driven by novel RBPMS-MET fusion consolidated with cabozantinib. Journal of Physical Education and Sports Management, 2020, 6, a005645.	1.2	17
32	Streptococcus oralis subsp. dentisani Produces Monolateral Serine-Rich Repeat Protein Fibrils, One of Which Contributes to Saliva Binding via Sialic Acid. Infection and Immunity, 2019, 87, .	2.2	14
33	Template-Directed Dye-Terminator Incorporation with Fluorescence Polarization Detection for Analysis of Single Nucleotide Polymorphisms Implicated in Sepsis. Journal of Molecular Diagnostics, 2002, 4, 209-215.	2.8	13
34	Discovery of clinically relevant fusions in pediatric cancer. BMC Genomics, 2021, 22, 872.	2.8	13
35	Extreme warfarin sensitivity in siblings associated with multiple cytochrome P450 polymorphisms. American Journal of Hematology, 2001, 67, 144-146.	4.1	12
36	Gastroblastoma with a novel <scp>EWSR1â€CTBP1</scp> fusion presenting in adolescence. Genes Chromosomes and Cancer, 2021, 60, 640-646.	2.8	12

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37	A deletion in the N gene of SARS-CoV-2 may reduce test sensitivity for detection of SARS-CoV-2. Diagnostic Microbiology and Infectious Disease, 2022, 102, 115631.	1.8	12
38	A novel sialic acid-binding adhesin present in multiple species contributes to the pathogenesis of Infective endocarditis. PLoS Pathogens, 2021, 17, e1009222.	4.7	11
39	Gallus GBrowse: a unified genomic database for the chicken. Nucleic Acids Research, 2007, 36, D719-D723.	14.5	9
40	Comprehensive discovery of noncoding RNAs in acute myeloid leukemia cell transcriptomes. Experimental Hematology, 2017, 55, 19-33.	0.4	9
41	Novel morphologic findings in <scp>PLAG1â€rearranged</scp> soft tissue tumors. Genes Chromosomes and Cancer, 2021, 60, 577-585.	2.8	9
42	Mutations In the DNA Methyltransferase Gene DNMT3A Are Highly Recurrent In Patients with Intermediate Risk Acute Myeloid Leukemia, and Predict Poor Outcomes. Blood, 2010, 116, 99-99.	1.4	9
43	Factor V Leiden mutation in a patient with warfarin-associatedskin necrosis. Surgery, 2000, 127, 595-596.	1.9	8
44	Longâ€read whole genome sequencing reveals HOXD13 alterations in synpolydactyly. Human Mutation, 2022, 43, 189-199.	2.5	7
45	Partial T-Cell Receptor Gene Rearrangement:A Source of Pseudo-clonal Populations in Thymomas and Other Thymic Tissues. American Journal of Clinical Pathology, 1996, 105, 262-267.	0.7	6
46	Molecular classification of a complex structural rearrangement of the RB1 locus in an infant with sporadic, isolated, intracranial, sellar region retinoblastoma. Acta Neuropathologica Communications, 2021, 9, 61.	5.2	5
47	Expanding the Clinical Phenotype of FGFR1 Internal Tandem Duplication. Journal of Physical Education and Sports Management, 2022, , mcs.a006174.	1.2	4
48	Dysregulation and Recurrent Mutation Of miRNA-142 In De Novo AML. Blood, 2013, 122, 472-472.	1.4	3
49	Complete Sequencing and Comparison of 12 Normal Karyotype M1 AML Genomes with 12 t(15;17) Positive M3-APL Genomes. Blood, 2011, 118, 404-404.	1.4	1
50	Expanding the phenotypic spectrum of internal tandem duplications in somatic disease. Molecular Genetics and Metabolism, 2021, 132, S44.	1.1	0
51	Dysregulation of the Imprinted DLK1-DIO3 Locus in Promyelocytic Leukemia. Blood, 2012, 120, 3500-3500.	1.4	0
52	Abstract 1651: Utilization of an ensemble approach for identification of driver fusions in pediatric cancer. , 2019, , .		0