Sean D Mcgrath

List of Publications by Year
in descending order

52 papers	15,482 citations	218381 26 h-index	197535 49 g-index
56 all docs	56 docs citations	56 times ranked	24271 citing authors

#	Article	IF	Citations
1	Longâ€read whole genome sequencing reveals HOXD13 alterations in synpolydactyly. Human Mutation, 2022, 43, 189-199.	1.1	7
2	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.	0.8	12
3	Expanding the Clinical Phenotype of FGFR1 Internal Tandem Duplication. Journal of Physical Education and Sports Management, 2022, , mcs.a006174.	0.5	4
4	Detection of brain somatic variation in epilepsyâ€associated developmental lesions. Epilepsia, 2022, 63, 1981-1997.	2.6	29
5	Novel morphologic findings in <scp>PLAG1â€rearranged</scp> soft tissue tumors. Genes Chromosomes and Cancer, 2021, 60, 577-585.	1.5	9
6	Expanding the phenotypic spectrum of internal tandem duplications in somatic disease. Molecular Genetics and Metabolism, 2021, 132, S44.	0.5	0
7	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.	2.4	5
8	PTEN somatic mutations contribute to spectrum of cerebral overgrowth. Brain, 2021, 144, 2971-2978.	3.7	23
9	Gastroblastoma with a novel <scp>EWSR1â€CTBP1</scp> fusion presenting in adolescence. Genes Chromosomes and Cancer, 2021, 60, 640-646.	1.5	12
10	A novel sialic acid-binding adhesin present in multiple species contributes to the pathogenesis of Infective endocarditis. PLoS Pathogens, 2021, 17, e1009222.	2.1	11
11	Discovery of clinically relevant fusions in pediatric cancer. BMC Genomics, 2021, 22, 872.	1.2	13
12	Infantile fibrosarcomaâ€“like tumor driven by novel RBPMS-MET fusion consolidated with cabozantinib. Journal of Physical Education and Sports Management, 2020, 6, a005645.	0.5	17
13	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, .	1.0	14
14	Characterizing the Major Structural Variant Alleles of the Human Genome. Cell, 2019, 176, 663-675.e19.	13.5	364
15	Abstract 1651: Utilization of an ensemble approach for identification of driver fusions in pediatric cancer. , 2019, , .		0
16	Improving eukaryotic genome annotation using single molecule mRNA sequencing. BMC Genomics, 2018, 19, 172.	1.2	17
17	Evaluation of GRCh38 and de novo haploid genome assemblies demonstrates the enduring quality of the reference assembly. Genome Research, 2017, 27, 849-864.	2.4	728
18	Comprehensive discovery of noncoding RNAs in acute myeloid leukemia cell transcriptomes. Experimental Hematology, 2017, 55, 19-33.	0.2	9

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19	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.	1.6	18
20	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.	0.2	44
21	Optimizing Cancer Genome Sequencing and Analysis. Cell Systems, 2015, 1, 210-223.	2.9	174
22	Mutant U2AF1 Expression Alters Hematopoiesis and Pre-mRNA Splicing InÂVivo. Cancer Cell, 2015, 27, 631-643.	7.7	259
23	cDNA Hybrid Capture Improves Transcriptome Analysis on Low-Input and Archived Samples. Journal of Molecular Diagnostics, 2014, 16, 440-451.	1.2	40
24	The Oxytricha trifallax Macronuclear Genome: A Complex Eukaryotic Genome with 16,000 Tiny Chromosomes. PLoS Biology, 2013, 11, e1001473.	2.6	198
25	Dysregulation and Recurrent Mutation Of miRNA-142 In De Novo AML. Blood, 2013, 122, 472-472.	0.6	3
26	Clonal evolution in relapsed acute myeloid leukaemia revealed by whole-genome sequencing. Nature, 2012, 481, 506-510.	13.7	1,795
27	The Origin and Evolution of Mutations in Acute Myeloid Leukemia. Cell, 2012, 150, 264-278.	13.5	1,365
28	Dysregulation of the Imprinted DLK1-DIO3 Locus in Promyelocytic Leukemia. Blood, 2012, 120, 3500-3500.	0.6	0
29	Sequencing a mouse acute promyelocytic leukemia genome reveals genetic events relevant for disease progression. Journal of Clinical Investigation, 2011, 121, 1445-1455.	3.9	91
30	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.	0.6	1
31	Chimpanzee and human Y chromosomes are remarkably divergent in structure and gene content. Nature, 2010, 463, 536-539.	13.7	381
32	Genome remodelling in a basal-like breast cancer metastasis and xenograft. Nature, 2010, 464, 999-1005.	13.7	1,077
33	DNMT3AMutations in Acute Myeloid Leukemia. New England Journal of Medicine, 2010, 363, 2424-2433.	13.9	1,777
34	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.	0.6	9
35	The value of avian genomics to the conservation of wildlife. BMC Genomics, 2009, 10, S10.	1.2	75
36	BreakDancer: an algorithm for high-resolution mapping of genomic structural variation. Nature Methods, 2009, 6, 677-681.	9.0	1,322

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37	Recurring Mutations Found by Sequencing an Acute Myeloid Leukemia Genome. New England Journal of Medicine, 2009, 361, 1058-1066.	13.9	2,009
38	DNA sequencing of a cytogenetically normal acute myeloid leukaemia genome. Nature, 2008, 456, 66-72.	13.7	1,275
39	A Sequence Motif within Chromatin Entry Sites Directs MSL Establishment on the Drosophila X Chromosome. Cell, 2008, 134, 599-609.	13.5	256
40	Transcriptome-Wide Identification of Novel Imprinted Genes in Neonatal Mouse Brain. PLoS ONE, 2008, 3, e3839.	1.1	170
41	Gallus GBrowse: a unified genomic database for the chicken. Nucleic Acids Research, 2007, 36, D719-D723.	6.5	9
42	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.	3.3	231
43	Linkage Disequilibrium and Heritability of Copy-Number Polymorphisms within Duplicated Regions of the Human Genome. American Journal of Human Genetics, 2006, 79, 275-290.	2.6	283
44	Lineage-Specific Expansions of Retroviral Insertions within the Genomes of African Great Apes but Not Humans and Orangutans. PLoS Biology, 2005, 3, e110.	2.6	84
45	A genome-wide survey of structural variation between human and chimpanzee. Genome Research, 2005, 15, 1344-1356.	2.4	153
46	Segmental Duplications and Copy-Number Variation in the Human Genome. American Journal of Human Genetics, 2005, 77, 78-88.	2.6	872
47	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.	1.2	13
48	The frequency and effects of cytochrome P450 (CYP) 2C9 polymorphisms in patients receiving warfarin1 1No competing interests declared.. Journal of the American College of Surgeons, 2002, 194, 267-273.	0.2	86
49	Extreme warfarin sensitivity in siblings associated with multiple cytochrome P450 polymorphisms. American Journal of Hematology, 2001, 67, 144-146.	2.0	12
50	Factor V Leiden mutation in a patient with warfarin-associatedskin necrosis. Surgery, 2000, 127, 595-596.	1.0	8
51	Cytochrome P450 polymorphisms are associated with reduced warfarin dose. Surgery, 2000, 128, 281-285.	1.0	75
52	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.	0.4	6