Heidi G Sutherland

List of Publications by Year
in descending order

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65 papers	4,322 citations	257450 24 h-index	123424 61 g-index
65 all docs	65 docs citations	65 times ranked	6334 citing authors

#	Article	IF	Citations
1	Epigenetic inheritance at the agouti locus in the mouse. Nature Genetics, 1999, 23, 314-318.	21.4	1,308
2	Transcription factories: gene expression in unions?. Nature Reviews Genetics, 2009, 10, 457-466.	16.3	336
3	Psip1/Ledgf p52 Binds Methylated Histone H3K36 and Splicing Factors and Contributes to the Regulation of Alternative Splicing. PLoS Genetics, 2012, 8, e1002717.	3.5	296
4	Localization of a putative transcriptional regulator (ATRX) at pericentromeric heterochromatin and the short arms of acrocentric chromosomes. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 13983-13988.	7.1	233
5	Role of PSIP1/LEDGF/p75 in Lentiviral Infectivity and Integration Targeting. PLoS ONE, 2007, 2, e1340.	2.5	209
6	G9a Histone Methyltransferase Contributes to Imprinting in the Mouse Placenta. Molecular and Cellular Biology, 2008, 28, 1104-1113.	2.3	172
7	Advances in genetics of migraine. Journal of Headache and Pain, 2019, 20, 72.	6.0	136
8	Large-scale identification of mammalian proteins localized to nuclear sub-compartments. Human Molecular Genetics, 2001, 10, 1995-2011.	2.9	108
9	Formation of facultative heterochromatin in the absence of HP1. EMBO Journal, 2003, 22, 5540-5550.	7.8	102
10	Next Generation Sequencing Methods for Diagnosis of Epilepsy Syndromes. Frontiers in Genetics, 2018, 9, 20.	2.3	102
11	Disruption of Ledgf/Psip1 Results in Perinatal Mortality and HomeoticSkeletal Transformations. Molecular and Cellular Biology, 2006, 26, 7201-7210.	2.3	96
12	Genetics of Migraine: Insights into the Molecular Basis of Migraine Disorders. Headache, 2017, 57, 537-569.	3.9	88
13	3D3/lyric: a novel transmembrane protein of the endoplasmic reticulum and nuclear envelope, which is also present in the nucleolus. Experimental Cell Research, 2004, 294, 94-105.	2.6	86
14	Studies on the Pathophysiology and Genetic Basis of Migraine. Current Genomics, 2013, 14, 300-315.	1.6	79
15	Mammalian PRP4 Kinase Copurifies and Interacts with Components of Both the U5 snRNP and the N-CoR Deacetylase Complexes. Molecular and Cellular Biology, 2002, 22, 5141-5156.	2.3	76
16	A Globin Enhancer Acts by Increasing the Proportion of Erythrocytes Expressing a Linked Transgene. Molecular and Cellular Biology, 1997, 17, 1607-1614.	2.3	75
17	Reactivation of heritably silenced gene expression in mice. Mammalian Genome, 2000, 11, 347-355.	2.2	72
18	Addressing protein localization within the nucleus. EMBO Journal, 2002, 21, 1248-1254.	7.8	62

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19	Variegated Expression of a Globin Transgene Correlates with Chromatin Accessibility But Not Methylation Status. Nucleic Acids Research, 1996, 24, 4902-4909.	14.5	52
20	Glucocorticoid receptor haploinsufficiency causes hypertension and attenuates hypothalamicâ€pituitaryâ€adrenal axis and blood pressure adaptions to highâ€fat diet. FASEB Journal, 2008, 22, 3896-3907.	0.5	46
21	A Potential Epigenetic Marker Mediating Serum Folate and Vitamin B₁₂Levels Contributes to the Risk of Ischemic Stroke. BioMed Research International, 2015, 2015, 1-4.	1.9	43
22	Epigenetic Effects on Transgene Expression. , 2001, 158, 351-368.		31
23	BDNF and TNF-Î± polymorphisms in memory. Molecular Biology Reports, 2013, 40, 5483-5490.	2.3	27
24	Methylome-wide association study of whole blood DNA in the Norfolk Island isolate identifies robust loci associated with age. Aging, 2017, 9, 753-768.	3.1	27
25	Psip1/Ledgf p75 restrainsHoxgene expression by recruiting both trithorax and polycomb group proteins. Nucleic Acids Research, 2014, 42, 9021-9032.	14.5	26
26	Investigation of Brainâ€Derived Neurotrophic Factor (<scp>BDNF</scp>) Gene Variants in Migraine. Headache, 2014, 54, 1184-1193.	3.9	26
27	Exploring the Hereditary Nature of Migraine. Neuropsychiatric Disease and Treatment, 2021, Volume 17, 1183-1194.	2.2	25
28	Association study of the calcitonin gene-related polypeptide-alpha (CALCA) and the receptor activity modifying 1 (RAMP1) genes with migraine. Gene, 2013, 515, 187-192.	2.2	24
29	Exome Sequencing Diagnoses X-Linked Moesin-Associated Immunodeficiency in a Primary Immunodeficiency Case. Frontiers in Immunology, 2018, 9, 420.	4.8	24
30	KRAB zinc-finger proteins localise to novel KAP1-containing foci that are adjacent to PML nuclear bodies. Journal of Cell Science, 2009, 122, 937-946.	2.0	23
31	Genetic association and gene expression studies suggest that genetic variants in the SYNE1 and TNF genes are related to menstrual migraine. Journal of Headache and Pain, 2014, 15, 62.	6.0	21
32	BDNF Variants May Modulate Long-Term Visual Memory Performance in a Healthy Cohort. International Journal of Molecular Sciences, 2017, 18, 655.	4.1	19
33	The NRP1 migraine risk variant shows evidence of association with menstrual migraine. Journal of Headache and Pain, 2018, 19, 31.	6.0	19
34	Dysregulated MicroRNA Expression Profiles and Potential Cellular, Circulating and Polymorphic Biomarkers in Non-Hodgkin Lymphoma. Genes, 2016, 7, 130.	2.4	17
35	Comprehensive Exonic Sequencing of Hemiplegic Migraine-Related Genes in a Cohort of Suspected Probands Identifies Known and Potential Pathogenic Variants. Cells, 2020, 9, 2368.	4.1	17
36	Investigation of polymorphisms in genes involved in estrogen metabolism in menstrual migraine. Gene, 2017, 607, 36-40.	2.2	15

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37	Analysis of 3 common polymorphisms in the KCNK18 gene in an Australian Migraine Case-control cohort. Gene, 2013, 528, 343-346.	2.2	14
38	Genetic variants associated with exercise performance in both moderately trained and highly trained individuals. Molecular Genetics and Genomics, 2020, 295, 515-523.	2.1	14
39	Computational epigenetic profiling of CpG islets in MTHFR. Molecular Biology Reports, 2014, 41, 8285-8292.	2.3	13
40	Tiered analysis of whole-exome sequencing for epilepsy diagnosis. Molecular Genetics and Genomics, 2020, 295, 751-763.	2.1	13
41	Association Study of <scp>MTHFD</scp>1 Coding Polymorphisms <scp>R</scp>134<scp>K</scp> and <scp>R</scp>653<scp>Q</scp> With Migraine Susceptibility. Headache, 2014, 54, 1506-1514.	3.9	12
42	Ion torrent high throughput mitochondrial genome sequencing (HTMGS). PLoS ONE, 2019, 14, e0224847.	2.5	11
43	Using Monozygotic Twins to Dissect Common Genes in Posttraumatic Stress Disorder and Migraine. Frontiers in Neuroscience, 2021, 15, 678350.	2.8	10
44	Whole-Exome Sequencing Implicates SCN2A in Episodic Ataxia, but Multiple Ion Channel Variants May Contribute to Phenotypic Complexity. International Journal of Molecular Sciences, 2018, 19, 3113.	4.1	9
45	Single Nucleotide Polymorphisms in MIR143 Contribute to Protection Against Non-Hodgkin Lymphoma (NHL) in Caucasian Populations. Genes, 2019, 10, 185.	2.4	9
46	Genetic Variation in Cytokine-Related Genes and Migraine Susceptibility. Twin Research and Human Genetics, 2013, 16, 1079-1086.	0.6	8
47	Genetic Analysis of <scp>GRIA2</scp> and <scp>GRIA4</scp> Genes in Migraine. Headache, 2014, 54, 303-312.	3.9	8
48	Genetic and epigenetic variants in the MTHFR gene are not associated with non-Hodgkin lymphoma. Meta Gene, 2015, 6, 91-95.	0.6	8
49	Targeted next generation sequencing identifies a genetic spectrum of DNA variants in patients with hemiplegic migraine. Cephalalgia Reports, 2019, 2, 251581631988163.	0.7	8
50	Comprehensive Exonic Sequencing of Known Ataxia Genes in Episodic Ataxia. Biomedicines, 2020, 8, 134.	3.2	8
51	Epigenetic Regulation of miR-92a and TET2 and Their Association in Non-Hodgkin Lymphoma. Frontiers in Genetics, 2021, 12, 768913.	2.3	8
52	A CREB1 Gene Polymorphism (rs2253206) Is Associated with Prospective Memory in a Healthy Cohort. Frontiers in Behavioral Neuroscience, 2017, 11, 86.	2.0	7
53	Case-control study of ADARB1 and ADARB2 gene variants in migraine. Journal of Headache and Pain, 2015, 16, 511.	6.0	6
54	Geneâ€centric analysis implicates nuclear encoded mitochondrial protein gene variants in migraine susceptibility. Molecular Genetics & Genomic Medicine, 2017, 5, 157-163.	1.2	6

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55	Exploring Neuronal Vulnerability to Head Trauma Using a Whole Exome Approach. Journal of Neurotrauma, 2020, 37, 1870-1879.	3.4	6
56	Current Understanding of DNA Methylation and Age-related Disease. , 2018, 2, 1-1.		6
57	Methylenetetrahydrofolate Reductase CpG Islands: Epigenotyping. Journal of Clinical Laboratory Analysis, 2016, 30, 335-344.	2.1	5
58	A genome-wide methylation study of body fat traits in the Norfolk Island isolate. Nutrition, Metabolism and Cardiovascular Diseases, 2021, 31, 1556-1563.	2.6	4
59	Pedigree derived mutation rate across the entire mitochondrial genome of the Norfolk Island population. Scientific Reports, 2022, 12, 6827.	3.3	4
60	Investigation of Mitochondrial Related Variants in a Cerebral Small Vessel Disease Cohort. Molecular Neurobiology, 2022, 59, 5366-5378.	4.0	3
61	Association of polymorphisms in ARRB2 and clinical response to methadone for pain in advanced cancer. Pharmacogenomics, 2022, 23, 281-289.	1.3	2
62	Investigation of the CADM2 polymorphism rs17518584 in memory and executive functions measures in a cohort of young healthy individuals. Neurobiology of Learning and Memory, 2018, 155, 330-336.	1.9	1
63	Multi-phenotype genome-wide association studies of the Norfolk Island isolate implicate pleiotropic loci involved in chronic kidney disease. Scientific Reports, 2021, 11, 19425.	3.3	1
64	Evaluation of an ancestry prediction strategy for historical military remains using a World War II-era sample and pedigrees with family-level admixture. Australian Journal of Forensic Sciences, 0, , 1-18.	1.2	0
65	Discriminating head trauma outcomes using machine learning and genomics. Journal of Molecular Medicine, 2021, , 1.	3.9	0