

Jay Arnold Tischfield

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

248 papers	15,745 citations	63 h-index	119 g-index
268 ext. papers	17,771 ext. citations	7.4 avg, IF	5.61 L-index

#	Paper	IF	Citations
248	Single-nucleotide polymorphism in the human mu opioid receptor gene alters beta-endorphin binding and activity: possible implications for opiate addiction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998 , 95, 9608-13	11.5	939
247	Multiple recurrent de novo CNVs, including duplications of the 7q11.23 Williams syndrome region, are strongly associated with autism. <i>Neuron</i> , 2011 , 70, 863-85	13.9	932
246	Mutations in the proteolytic enzyme calpain 3 cause limb-girdle muscular dystrophy type 2A. <i>Cell</i> , 1995 , 81, 27-40	56.2	835
245	Variants in nicotinic receptors and risk for nicotine dependence. <i>American Journal of Psychiatry</i> , 2008 , 165, 1163-71	11.9	521
244	Genome-wide search for genes affecting the risk for alcohol dependence 1998 , 81, 207-215		496
243	A genome-wide association study of alcohol dependence. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 5082-7	11.5	367
242	The functions of five distinct mammalian phospholipase A2S in regulating arachidonic acid release. Type IIa and type V secretory phospholipase A2S are functionally redundant and act in concert with cytosolic phospholipase A2. <i>Journal of Biological Chemistry</i> , 1998 , 273, 14411-23	5.4	314
241	Heritability and genomics of gene expression in peripheral blood. <i>Nature Genetics</i> , 2014 , 46, 430-7	36.3	258
240	Embryonic stem cells and somatic cells differ in mutation frequency and type. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 3586-90	11.5	253
239	Genome-wide association study of alcohol dependence implicates a region on chromosome 11. <i>Alcoholism: Clinical and Experimental Research</i> , 2010 , 34, 840-52	3.7	248
238	A reassessment of the low molecular weight phospholipase A2 gene family in mammals. <i>Journal of Biological Chemistry</i> , 1997 , 272, 17247-50	5.4	248
237	Linkage disequilibrium between the beta frequency of the human EEG and a GABAA receptor gene locus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 3729-33	11.5	246
236	L-histidine decarboxylase and Tourette's syndrome. <i>New England Journal of Medicine</i> , 2010 , 362, 1901-8	59.2	242
235	Evidence of common and specific genetic effects: association of the muscarinic acetylcholine receptor M2 (CHRM2) gene with alcohol dependence and major depressive syndrome. <i>Human Molecular Genetics</i> , 2004 , 13, 1903-11	5.6	228
234	CCR2-dependent recruitment of macrophages by tumor-educated mesenchymal stromal cells promotes tumor development and is mimicked by TNF- α <i>Cell Stem Cell</i> , 2012 , 11, 812-24	18	226
233	Novel group V phospholipase A2 involved in arachidonic acid mobilization in murine P388D1 macrophages. <i>Journal of Biological Chemistry</i> , 1996 , 271, 32381-4	5.4	211
232	Association of alcohol dehydrogenase genes with alcohol dependence: a comprehensive analysis. <i>Human Molecular Genetics</i> , 2006 , 15, 1539-49	5.6	199

231	The role of GABRA2 in risk for conduct disorder and alcohol and drug dependence across developmental stages. <i>Behavior Genetics</i> , 2006 , 36, 577-90	3.2	197
230	The tumor suppressor Sirt2 regulates cell cycle progression and genome stability by modulating the mitotic deposition of H4K20 methylation. <i>Genes and Development</i> , 2013 , 27, 639-53	12.6	195
229	Partitioning the heritability of Tourette syndrome and obsessive compulsive disorder reveals differences in genetic architecture. <i>PLoS Genetics</i> , 2013 , 9, e1003864	6	189
228	Genetic variation in the CHRNA5 gene affects mRNA levels and is associated with risk for alcohol dependence. <i>Molecular Psychiatry</i> , 2009 , 14, 501-10	15.1	179
227	ADH1B is associated with alcohol dependence and alcohol consumption in populations of European and African ancestry. <i>Molecular Psychiatry</i> , 2012 , 17, 445-50	15.1	160
226	Groups IV, V, and X phospholipases A2s in human neutrophils: role in eicosanoid production and gram-negative bacterial phospholipid hydrolysis. <i>Journal of Biological Chemistry</i> , 2002 , 277, 5061-73	5.4	154
225	Nucleotide sequence and organization of the mouse adenine phosphoribosyltransferase gene: presence of a coding region common to animal and bacterial phosphoribosyltransferases that has a variable intron/exon arrangement. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1985 , 82, 2731-5	11.5	154
224	Altered hematopoiesis, behavior, and sexual function in mu opioid receptor-deficient mice. <i>Journal of Experimental Medicine</i> , 1997 , 185, 1517-22	16.6	152
223	SIRT7 promotes genome integrity and modulates non-homologous end joining DNA repair. <i>EMBO Journal</i> , 2016 , 35, 1488-503	13	150
222	Association of the kappa-opioid system with alcohol dependence. <i>Molecular Psychiatry</i> , 2006 , 11, 1016-24	15.1	144
221	Analysis of the secretory phospholipase A2 that mediates prostaglandin production in mast cells. <i>Journal of Biological Chemistry</i> , 1997 , 272, 13591-6	5.4	143
220	Rare copy number variants in tourette syndrome disrupt genes in histaminergic pathways and overlap with autism. <i>Biological Psychiatry</i> , 2012 , 71, 392-402	7.9	142
219	Human chromosomes 6 and 21 are required for sensitivity to human interferon gamma. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1987 , 84, 4151-5	11.5	139
218	Genome-wide association study of Tourette syndrome. <i>Molecular Psychiatry</i> , 2013 , 18, 721-8	15.1	138
217	Gene expression in major depressive disorder. <i>Molecular Psychiatry</i> , 2016 , 21, 339-47	15.1	133
216	Functional variant in a bitter-taste receptor (hTAS2R16) influences risk of alcohol dependence. <i>American Journal of Human Genetics</i> , 2006 , 78, 103-11	11	129
215	A risk allele for nicotine dependence in CHRNA5 is a protective allele for cocaine dependence. <i>Biological Psychiatry</i> , 2008 , 64, 922-9	7.9	123
214	Endophenotypes successfully lead to gene identification: results from the collaborative study on the genetics of alcoholism. <i>Behavior Genetics</i> , 2006 , 36, 112-26	3.2	123

213	The Netherlands Twin Register biobank: a resource for genetic epidemiological studies. <i>Twin Research and Human Genetics</i> , 2010 , 13, 231-45	2.2	118
212	Linkage and linkage disequilibrium of evoked EEG oscillations with CHRM2 receptor gene polymorphisms: implications for human brain dynamics and cognition. <i>International Journal of Psychophysiology</i> , 2004 , 53, 75-90	2.9	118
211	Mouse embryonic stem cells, but not somatic cells, predominantly use homologous recombination to repair double-strand DNA breaks. <i>Stem Cells and Development</i> , 2010 , 19, 1699-711	4.4	115
210	Human DNA ligases I and III, but not ligase IV, are required for microhomology-mediated end joining of DNA double-strand breaks. <i>Nucleic Acids Research</i> , 2008 , 36, 3297-310	20.1	111
209	Mitotic recombination produces the majority of recessive fibroblast variants in heterozygous mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999 , 96, 9230-5	11.5	107
208	Family-based association analyses of alcohol dependence phenotypes across DRD2 and neighboring gene ANKK1. <i>Alcoholism: Clinical and Experimental Research</i> , 2007 , 31, 1645-53	3.7	103
207	Cross-disorder genome-wide analyses suggest a complex genetic relationship between Tourette's syndrome and OCD. <i>American Journal of Psychiatry</i> , 2015 , 172, 82-93	11.9	101
206	Sex differences in the human peripheral blood transcriptome. <i>BMC Genomics</i> , 2014 , 15, 33	4.5	97
205	Interrogating the Genetic Determinants of Tourette's Syndrome and Other Tic Disorders Through Genome-Wide Association Studies. <i>American Journal of Psychiatry</i> , 2019 , 176, 217-227	11.9	95
204	Loss of heterozygosity or: how I learned to stop worrying and love mitotic recombination. <i>American Journal of Human Genetics</i> , 1997 , 61, 995-9	11	94
203	A Family-Based Analysis of the Association of the Dopamine D2 Receptor (DRD2) with Alcoholism. <i>Alcoholism: Clinical and Experimental Research</i> , 1998 , 22, 505-512	3.7	93
202	Comparative anatomy of the human APRT gene and enzyme: nucleotide sequence divergence and conservation of a nonrandom CpG dinucleotide arrangement. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1987 , 84, 3349-53	11.5	91
201	Prevalence of SARS-CoV-2 infection in previously undiagnosed health care workers in New Jersey, at the onset of the U.S. COVID-19 pandemic. <i>BMC Infectious Diseases</i> , 2020 , 20, 853	4	90
200	De Novo Coding Variants Are Strongly Associated with Tourette Disorder. <i>Neuron</i> , 2017 , 94, 486-499.e9	13.9	89
199	A Family-Based Analysis of Whether the Functional Promoter Alleles of the Serotonin Transporter Gene HTT Affect the Risk for Alcohol Dependence. <i>Alcoholism: Clinical and Experimental Research</i> , 1998 , 22, 1080-1085	3.7	87
198	Biomanufacturing for clinically advanced cell therapies. <i>Nature Biomedical Engineering</i> , 2018 , 2, 362-376	19	86
197	Copy number variation in obsessive-compulsive disorder and tourette syndrome: a cross-disorder study. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2014 , 53, 910-9	7.2	86
196	Low-molecular-weight, calcium-dependent phospholipase A2 genes are linked and map to homologous chromosome regions in mouse and human. <i>Genomics</i> , 1996 , 32, 328-33	4.3	84

195	Alcohol dependence with comorbid drug dependence: genetic and phenotypic associations suggest a more severe form of the disorder with stronger genetic contribution to risk. <i>Addiction</i> , 2007 , 102, 1131-1139	4.6	74
194	Association of NFKB1, which encodes a subunit of the transcription factor NF-kappaB, with alcohol dependence. <i>Human Molecular Genetics</i> , 2008 , 17, 963-70	5.6	72
193	Assignment of a gene for adenosine deaminase to human chromosome 20. <i>Human Heredity</i> , 1974 , 24, 1-11	1.1	72
192	Stress-response pathways are altered in the hippocampus of chronic alcoholics. <i>Alcohol</i> , 2013 , 47, 505-15	5.7	67
191	The novel mouse Polo-like kinase 5 responds to DNA damage and localizes in the nucleolus. <i>Nucleic Acids Research</i> , 2010 , 38, 2931-43	20.1	67
190	Chromosome instability contributes to loss of heterozygosity in mice lacking p53. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000 , 97, 7405-10	11.5	67
189	Neuropeptide Y receptor genes are associated with alcohol dependence, alcohol withdrawal phenotypes, and cocaine dependence. <i>Alcoholism: Clinical and Experimental Research</i> , 2008 , 32, 2031-40	3.7	66
188	Description of the data from the Collaborative Study on the Genetics of Alcoholism (COGA) and single-nucleotide polymorphism genotyping for Genetic Analysis Workshop 14. <i>BMC Genetics</i> , 2005 , 6 Suppl 1, S2	2.6	64
187	A new electrophoretic-autoradiographic method for the visual detection of phosphotransferases. <i>Analytical Biochemistry</i> , 1973 , 53, 545-54	3.1	64
186	A meta-analysis of two genome-wide association studies to identify novel loci for maximum number of alcoholic drinks. <i>Human Genetics</i> , 2013 , 132, 1141-51	6.3	63
185	Replication stress induces micronuclei comprising of aggregated DNA double-strand breaks. <i>PLoS ONE</i> , 2011 , 6, e18618	3.7	61
184	A genome-wide association study of alcohol-dependence symptom counts in extended pedigrees identifies C15orf53. <i>Molecular Psychiatry</i> , 2013 , 18, 1218-24	15.1	59
183	Brief report: interferon-gamma induces expansion of Lin(-)Sca-1(+)C-Kit(+) Cells. <i>Stem Cells</i> , 2010 , 28, 122-6	5.8	59
182	Linkage of an Alcoholism-Related Severity Phenotype to Chromosome 16. <i>Alcoholism: Clinical and Experimental Research</i> , 1998 , 22, 2035-2042	3.7	59
181	A genome-wide association study of DSM-IV cannabis dependence. <i>Addiction Biology</i> , 2011 , 16, 514-8	4.6	58
180	Single-nucleotide polymorphisms in corticotropin releasing hormone receptor 1 gene (CRHR1) are associated with quantitative trait of event-related potential and alcohol dependence. <i>Alcoholism: Clinical and Experimental Research</i> , 2010 , 34, 988-96	3.7	58
179	A cholinergic receptor gene (CHRM2) affects event-related oscillations. <i>Behavior Genetics</i> , 2006 , 36, 627-32	3.2	58
178	Association of single nucleotide polymorphisms in a glutamate receptor gene (GRM8) with theta power of event-related oscillations and alcohol dependence. <i>American Journal of Medical Genetics Part B: Neuropsychiatric Genetics</i> , 2009 , 150B, 359-68	3.5	57

177	Polygenic Scores for Major Depressive Disorder and Risk of Alcohol Dependence. <i>JAMA Psychiatry</i> , 2017 , 74, 1153-1160	14.5	56
176	Chromosome assignments of genes in man using mouse-human somatic cell hybrids: mitochondrial superoxide dismutase (indophenol oxidase-B, tetrameric) to chromosome 6. <i>Human Genetics</i> , 1973 , 20, 203-9	6.3	56
175	A regulatory variation in OPRK1, the gene encoding the kappa-opioid receptor, is associated with alcohol dependence. <i>Human Molecular Genetics</i> , 2008 , 17, 1783-9	5.6	55
174	HPRT-APRT-deficient mice are not a model for lesch-nyhan syndrome. <i>Human Molecular Genetics</i> , 1996 , 5, 1607-10	5.6	52
173	Modulation of DNA end joining by nuclear proteins. <i>Journal of Biological Chemistry</i> , 2005 , 280, 31442-9	5.4	51
172	Mitotic recombination is suppressed by chromosomal divergence in hybrids of distantly related mouse strains. <i>Nature Genetics</i> , 2001 , 28, 169-72	36.3	51
171	De Novo Sequence and Copy Number Variants Are Strongly Associated with Tourette Disorder and Implicate Cell Polarity in Pathogenesis. <i>Cell Reports</i> , 2018 , 24, 3441-3454.e12	10.6	51
170	Homologous recombination conserves DNA sequence integrity throughout the cell cycle in embryonic stem cells. <i>Stem Cells and Development</i> , 2011 , 20, 363-74	4.4	50
169	APRT: a versatile in vivo resident reporter of local mutation and loss of heterozygosity. <i>Environmental and Molecular Mutagenesis</i> , 1996 , 28, 471-82	3.2	49
168	SPOT: a web-based tool for using biological databases to prioritize SNPs after a genome-wide association study. <i>Nucleic Acids Research</i> , 2010 , 38, W201-9	20.1	48
167	A new statistic to evaluate imputation reliability. <i>PLoS ONE</i> , 2010 , 5, e9697	3.7	47
166	Genome-wide search for genes affecting the risk for alcohol dependence 1998 , 81, 207		44
165	Family-based genome-wide association study of frontal oscillations identifies potassium channel gene KCNJ6. <i>Genes, Brain and Behavior</i> , 2012 , 11, 712-9	3.6	43
164	Cloning, expression and partial characterization of a novel rat phospholipase A2. <i>Lipids and Lipid Metabolism</i> , 1994 , 1215, 115-20		41
163	Cloning of a functional human adenine phosphoribosyltransferase (APRT) gene: identification of a restriction fragment length polymorphism and preliminary analysis of DNAs from APRT-deficient families and cell mutants. <i>Somatic Cell and Molecular Genetics</i> , 1984 , 10, 359-67		41
162	Using genetic information from candidate gene and genome-wide association studies in risk prediction for alcohol dependence. <i>Addiction Biology</i> , 2014 , 19, 708-21	4.6	40
161	The AVPR1A gene and substance use disorders: association, replication, and functional evidence. <i>Biological Psychiatry</i> , 2011 , 70, 519-27	7.9	39
160	The tachykinin receptor 3 is associated with alcohol and cocaine dependence. <i>Alcoholism: Clinical and Experimental Research</i> , 2008 , 32, 1023-30	3.7	39

159	Association analysis of genes encoding the nociceptin receptor (OPRL1) and its endogenous ligand (PNOC) with alcohol or illicit drug dependence. <i>Addiction Biology</i> , 2008 , 13, 80-7	4.6	39
158	Polymerase chain reaction amplification and sequence analysis of human mutant adenine phosphoribosyltransferase genes: the nature and frequency of errors caused by Taq DNA polymerase. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1991 , 249, 169-76	3.3	39
157	Genetic influences on craving for alcohol. <i>Addictive Behaviors</i> , 2013 , 38, 1501-1508	4.2	38
156	Common and rare alleles of the serotonin transporter gene, SLC6A4, associated with Tourette's disorder. <i>Movement Disorders</i> , 2013 , 28, 1263-70	7	38
155	A Systematic single nucleotide polymorphism screen to fine-map alcohol dependence genes on chromosome 7 identifies association with a novel susceptibility gene ACN9. <i>Biological Psychiatry</i> , 2008 , 63, 1047-53	7.9	38
154	Persistent infection by HSV-1 is associated with changes in functional architecture of iPSC-derived neurons and brain activation patterns underlying working memory performance. <i>Schizophrenia Bulletin</i> , 2015 , 41, 123-32	1.3	36
153	Lack of association of alcohol dependence and habitual smoking with catechol-O-methyltransferase. <i>Alcoholism: Clinical and Experimental Research</i> , 2007 , 31, 1773-9	3.7	36
152	Association of substance dependence phenotypes in the COGA sample. <i>Addiction Biology</i> , 2015 , 20, 617-27	4.7	35
151	Rare missense variants in CHRNA3 and CHRNA3 are associated with risk of alcohol and cocaine dependence. <i>Human Molecular Genetics</i> , 2014 , 23, 810-9	5.6	35
150	Radiation-induced genetic instability in vivo depends on p53 status. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2002 , 502, 69-80	3.3	35
149	A new location for the human adenine phosphoribosyltransferase gene (APRT) distal to the haptoglobin (HP) and fra(16)(q23)(FRA16D) loci. <i>Cytogenetic and Genome Research</i> , 1986 , 43, 10-3	1.9	35
148	Appearance of hypoxanthine guanine phosphoribosyltransferase activity as a consequence of mycoplasma contamination. <i>Nature</i> , 1975 , 256, 329-31	50.4	35
147	Lipoic acid treatment prevents cystine urolithiasis in a mouse model of cystinuria. <i>Nature Medicine</i> , 2017 , 23, 288-290	50.5	34
146	Cloning and expression of a mouse adenine phosphoribosyltransferase gene. <i>Gene</i> , 1983 , 22, 219-28	3.8	34
145	Analysis of whole genome-transcriptomic organization in brain to identify genes associated with alcoholism. <i>Translational Psychiatry</i> , 2019 , 9, 89	8.6	33
144	GABRR1 and GABRR2, encoding the GABA-A receptor subunits rho1 and rho2, are associated with alcohol dependence. <i>American Journal of Medical Genetics Part B: Neuropsychiatric Genetics</i> , 2010 , 153B, 418-427	3.5	33
143	SIRT7 mediates L1 elements transcriptional repression and their association with the nuclear lamina. <i>Nucleic Acids Research</i> , 2019 , 47, 7870-7885	20.1	32
142	The Tourette International Collaborative Genetics (TIC Genetics) study, finding the genes causing Tourette syndrome: objectives and methods. <i>European Child and Adolescent Psychiatry</i> , 2015 , 24, 141-51	5.5	32

141	Multiple distinct CHRNA3-CHRNA6 variants are genetic risk factors for nicotine dependence in African Americans and European Americans. <i>Addiction</i> , 2014 , 109, 814-22	4.6	32
140	Resveratrol protects mouse embryonic stem cells from ionizing radiation by accelerating recovery from DNA strand breakage. <i>Carcinogenesis</i> , 2012 , 33, 149-55	4.6	32
139	Rare missense neuronal cadherin gene (CDH2) variants in specific obsessive-compulsive disorder and Tourette disorder phenotypes. <i>European Journal of Human Genetics</i> , 2013 , 21, 850-4	5.3	32
138	Defining alcohol-related phenotypes in humans. The Collaborative Study on the Genetics of Alcoholism. <i>Alcohol Research</i> , 2002 , 26, 208-13		32
137	Detection of Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Is Comparable in Clinical Samples Preserved in Saline or Viral Transport Medium. <i>Journal of Molecular Diagnostics</i> , 2020 , 22, 871-875	5.1	31
136	Localization of group IIc low molecular weight phospholipase A2 mRNA to meiotic cells in the mouse. <i>Journal of Cellular Biochemistry</i> , 1997 , 64, 369-75	4.7	31
135	In vivo loss of heterozygosity in T-cells of B6C3F1 Ap ^{rt} +/- mice. <i>Environmental and Molecular Mutagenesis</i> , 2000 , 35, 150-157	3.2	31
134	Identification of DNA sequences required for mouse APRT gene expression. <i>Nucleic Acids Research</i> , 1988 , 16, 8509-24	20.1	30
133	Chronic renal failure in a mouse model of human adenine phosphoribosyltransferase deficiency. <i>American Journal of Physiology - Renal Physiology</i> , 1998 , 275, F154-63	4.3	28
132	Cystinuria: genetic aspects, mouse models, and a new approach to therapy. <i>Urolithiasis</i> , 2019 , 47, 57-66	3.2	28
131	Genetic and morphological features of human iPSC-derived neurons with chromosome 15q11.2 (BP1-BP2) deletions. <i>Molecular Neuropsychiatry</i> , 2015 , 1, 116-123	4.9	27
130	Genetic heterogeneity of autosomal recessive limb-girdle muscular dystrophy in a genetic isolate (Amish) and evidence for a new locus. <i>Human Molecular Genetics</i> , 1995 , 4, 459-63	5.6	27
129	Mismatch and base excision repair proficiency in murine embryonic stem cells. <i>DNA Repair</i> , 2011 , 10, 445-51	4.3	26
128	Cognitive traits link to human chromosomal regions. <i>Behavior Genetics</i> , 2006 , 36, 65-76	3.2	26
127	A radioimmune assay for human cupro-zinc superoxide dismutase and its application to erythrocytes. <i>Journal of Immunological Methods</i> , 1979 , 29, 253-62	2.5	26
126	Pre- and perinatal complications in relation to Tourette syndrome and co-occurring obsessive-compulsive disorder and attention-deficit/hyperactivity disorder. <i>Journal of Psychiatric Research</i> , 2016 , 82, 126-35	5.2	25
125	Methylome-wide comparison of human genomic DNA extracted from whole blood and from EBV-transformed lymphocyte cell lines. <i>European Journal of Human Genetics</i> , 2012 , 20, 953-5	5.3	25
124	Oxidative stress preferentially induces a subtype of micronuclei and mediates the genomic instability caused by p53 dysfunction. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2014 , 770, 1-8	3.3	24

123	An ADH1B variant and peer drinking in progression to adolescent drinking milestones: evidence of a gene-by-environment interaction. <i>Alcoholism: Clinical and Experimental Research</i> , 2014 , 38, 2541-9	3.7	24
122	New tools and methods for direct programmatic access to the dbSNP relational database. <i>Nucleic Acids Research</i> , 2011 , 39, D901-7	20.1	24
121	Increased nicotine response in iPSC-derived human neurons carrying the CHRNA5 N398 allele. <i>Scientific Reports</i> , 2016 , 6, 34341	4.9	23
120	Loss of heterozygosity and point mutation at Aprt locus in T cells and fibroblasts of Pms2 ^{-/-} mice. <i>Oncogene</i> , 2002 , 21, 2840-5	9.2	23
119	Genome-wide association studies of alcohol dependence, DSM-IV criterion count and individual criteria. <i>Genes, Brain and Behavior</i> , 2019 , 18, e12579	3.6	22
118	Tumor resident mesenchymal stromal cells endow naïve stromal cells with tumor-promoting properties. <i>Oncogene</i> , 2014 , 33, 4016-20	9.2	22
117	Chromatin structure, pluripotency and differentiation. <i>Experimental Biology and Medicine</i> , 2013 , 238, 259-70	3.7	22
116	Evidence for genes on chromosome 2 contributing to alcohol dependence with conduct disorder and suicide attempts. <i>American Journal of Medical Genetics Part B: Neuropsychiatric Genetics</i> , 2010 , 153B, 1179-88	3.5	22
115	Mlh1 mediates tissue-specific regulation of mitotic recombination. <i>Oncogene</i> , 2004 , 23, 9017-24	9.2	22
114	Single-base deletion induced by benzo[a]pyrene diol epoxide at the adenine phosphoribosyltransferase locus in human fibrosarcoma cell lines. <i>Mutation Research - Genetic Toxicology Testing and Biomonitoring of Environmental Or Occupational Exposure</i> , 1994 , 321, 73-9		22
113	Variants located upstream of CHRNA4 on chromosome 15q25.1 are associated with age at onset of daily smoking and habitual smoking. <i>PLoS ONE</i> , 2012 , 7, e33513	3.7	22
112	Mutational basis of adenine phosphoribosyltransferase deficiency. <i>Advances in Experimental Medicine and Biology</i> , 1991 , 309B, 73-6	3.6	22
111	Genome-wide survival analysis of age at onset of alcohol dependence in extended high-risk COGA families. <i>Drug and Alcohol Dependence</i> , 2014 , 142, 56-62	4.9	21
110	Family-based association analysis of alcohol dependence criteria and severity. <i>Alcoholism: Clinical and Experimental Research</i> , 2014 , 38, 354-66	3.7	21
109	Altered gene expression in kidneys of mice with 2,8-dihydroxyadenine nephrolithiasis. <i>Kidney International</i> , 2000 , 58, 528-36	9.9	21
108	Comparative effects of adenine analogs upon metabolic cooperation between Chinese hamster cells with different levels of adenine phosphoribosyltransferase activity. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1978 , 49, 83-94	3.3	21
107	Ethanol-mediated activation of the NLRP3 inflammasome in iPS cells and iPS cells-derived neural progenitor cells. <i>Molecular Brain</i> , 2016 , 9, 51	4.5	20
106	Sequential analysis of kidney stone formation in the Aprt knockout mouse. <i>Kidney International</i> , 2001 , 60, 910-23	9.9	20

105	Novel cystine ester mimics for the treatment of cystinuria-induced urolithiasis in a knockout mouse model. <i>Urology</i> , 2014 , 84, 1249.e9-15	1.6	19
104	Common biological networks underlie genetic risk for alcoholism in African- and European-American populations. <i>Genes, Brain and Behavior</i> , 2013 , 12, 532-42	3.6	19
103	The abundance of Rad51 protein in mouse embryonic stem cells is regulated at multiple levels. <i>Stem Cell Research</i> , 2012 , 9, 124-34	1.6	18
102	Reduced apoptosis and increased deletion mutations at Aprt locus in vivo in mice exposed to repeated ionizing radiation. <i>Cancer Research</i> , 2007 , 67, 1910-7	10.1	18
101	Genetic and neurophysiological correlates of the age of onset of alcohol use disorders in adolescents and young adults. <i>Behavior Genetics</i> , 2013 , 43, 386-401	3.2	17
100	The breast cancer susceptibility allele CHEK2*1100delC promotes genomic instability in a knock-in mouse model. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2007 , 616, 201-9	3.3	17
99	Setting priorities for genomic research. <i>Science</i> , 2004 , 304, 1445-7; author reply 1445-7	33.3	17
98	p38 MAPK regulates group IIa phospholipase A2 expression in interleukin-1beta -stimulated rat neonatal cardiomyocytes. <i>Journal of Biological Chemistry</i> , 2001 , 276, 43842-9	5.4	17
97	Missense mutation in the adenine phosphoribosyltransferase gene causing 2,8-dihydroxyadenine urolithiasis. <i>Human Molecular Genetics</i> , 1994 , 3, 817-8	5.6	17
96	Analysis of germline and in vivo somatic mutations in the human adenine phosphoribosyltransferase gene: mutational hot spots at the intron 4 splice donor site and at codon 87. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1993 , 287, 217-25	3.3	17
95	Identification of a common nonsense mutation in Japanese patients with type I adenine phosphoribosyltransferase deficiency. <i>Nucleic Acids Research</i> , 1990 , 18, 5915-6	20.1	17
94	Targeted Re-Sequencing Approach of Candidate Genes Implicates Rare Potentially Functional Variants in Tourette Syndrome Etiology. <i>Frontiers in Neuroscience</i> , 2016 , 10, 428	5.1	17
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