Michael C Dean

List of Publications by Year
in descending order

436 papers	64,705 citations	1704 104 h-index	834 245 g-index
474 all docs	474 docs citations	474 times ranked	53326 citing authors

#	Article	IF	Citations
1	The BDNF val66met Polymorphism Affects Activity-Dependent Secretion of BDNF and Human Memory and Hippocampal Function. Cell, 2003, 112, 257-269.	28.9	3,472
2	Tumour stem cells and drug resistance. Nature Reviews Cancer, 2005, 5, 275-284.	28.4	3,360
3	Identification of the Cystic Fibrosis Gene: Chromosome Walking and Jumping. Science, 1989, 245, 1059-1065.	12.6	3,136
4	Identification of the von Hippel-Lindau Disease Tumor Suppressor Gene. Science, 1993, 260, 1317-1320.	12.6	2,723
5	Genetic Restriction of HIV-1 Infection and Progression to AIDS by a Deletion Allele of the CKR5 Structural Gene. Science, 1996, 273, 1856-1862.	12.6	2,365
6	Mutations of the Human Homolog of Drosophila patched in the Nevoid Basal Cell Carcinoma Syndrome. Cell, 1996, 85, 841-851.	28.9	2,150
7	A common haplotype in the complement regulatory gene factor H (HF1/CFH) predisposes individuals to age-related macular degeneration. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 7227-7232.	7.1	1,867
8	Germline and somatic mutations in the tyrosine kinase domain of the MET proto-oncogene in papillary renal carcinomas. Nature Genetics, 1997, 16, 68-73.	21.4	1,461
9	A photoreceptor cell-specific ATP-binding transporter gene (ABCR) is mutated in recessive Starqardt macular dystrophy. Nature Genetics, 1997, 15, 236-246.	21.4	1,277
10	The Human ATP-Binding Cassette (ABC) Transporter Superfamily. Genome Research, 2001, 11, 1156-1166.	5.5	1,242
11	The Genome of the Sea Urchin Strongylocentrotus purpuratus. Science, 2006, 314, 941-952.	12.6	1,018
12	Variation in factor B (BF) and complement component 2 (C2) genes is associated with age-related macular degeneration. Nature Genetics, 2006, 38, 458-462.	21.4	1,001
13	The human ATP-binding cassette (ABC) transporter superfamily. Journal of Lipid Research, 2001, 42, 1007-1017.	4.2	965
14	The Human ATP-Binding Cassette (ABC) Transporter Superfamily. Genome Research, 2001, 11, 1156-1166.	5.5	932
15	Contrasting Genetic Influence of CCR2 and CCR5 Variants on HIV-1 Infection and Disease Progression. Science, 1997, 277, 959-965.	12.6	860
16	Mutation of the Stargardt Disease Gene (ABCR) in Age-Related Macular Degeneration. Science, 1997, 277, 1805-1807.	12.6	844
17	Cell-cycle control of c-myc but not c-ras expression is lost following chemical transformation. Cell, 1984, 36, 241-247.	28.9	769
18	The human ATP-binding cassette (ABC) transporter superfamily. Journal of Lipid Research, 2001, 42, 1007-17.	4.2	768

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19	The role of the human homologue of Drosophila patched in sporadic basal cell carcinomas. Nature Genetics, 1996, 14, 78-81.	21.4	713
20	Molecular cloning of cDNAs which are highly overexpressed in mitoxantrone-resistant cells: demonstration of homology to ABC transport genes. Cancer Research, 1999, 59, 8-13.	0.9	713
21	Genetic Restriction of AIDS Pathogenesis by an SDF-1 Chemokine Gene Variant. Science, 1998, 279, 389-393.	12.6	674
22	Single-Cell Exome Sequencing Reveals Single-Nucleotide Mutation Characteristics of a Kidney Tumor. Cell, 2012, 148, 886-895.	28.9	622
23	ABCA3Gene Mutations in Newborns with Fatal Surfactant Deficiency. New England Journal of Medicine, 2004, 350, 1296-1303.	27.0	621
24	A human placenta-specific ATP-binding cassette gene (ABCP) on chromosome 4q22 that is involved in multidrug resistance. Cancer Research, 1998, 58, 5337-9.	0.9	597
25	Sequence of MET protooncogene cDNA has features characteristic of the tyrosine kinase family of growth-factor receptors.. Proceedings of the National Academy of Sciences of the United States of America, 1987, 84, 6379-6383.	7.1	561
26	EVOLUTION OF THE ATP-BINDING CASSETTE (ABC) TRANSPORTER SUPERFAMILY IN VERTEBRATES. Annual Review of Genomics and Human Genetics, 2005, 6, 123-142.	6.2	540
27	Identification of a gene, ABCG5, important in the regulation of dietary cholesterol absorption. Nature Genetics, 2001, 27, 79-83.	21.4	539
28	Germline mutations in the von Hippel-Lindau disease tumor suppressor gene: Correlations with phenotype. Human Mutation, 1995, 5, 66-75.	2.5	526
29	Mechanism of met oncogene activation. Cell, 1986, 45, 895-904.	28.9	523
30	Detectable clonal mosaicism and its relationship to aging and cancer. Nature Genetics, 2012, 44, 651-658.	21.4	519
31	Dating the Origin of the CCR5-Î”32 AIDS-Resistance Allele by the Coalescence of Haplotypes. American Journal of Human Genetics, 1998, 62, 1507-1515.	6.2	507
32	ABCG1 (ABC8), the human homolog of the Drosophila white gene, is a regulator of macrophage cholesterol and phospholipid transport. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 817-822.	7.1	507
33	Novel mutations of the MET proto-oncogene in papillary renal carcinomas. Oncogene, 1999, 18, 2343-2350.	5.9	487
34	Mutational Spectra of PTEN/MMAC1 Gene: a Tumor Suppressor With Lipid Phosphatase Activity. Journal of the National Cancer Institute, 1999, 91, 1922-1932.	6.3	473
35	A closely linked genetic marker for cystic fibrosis. Nature, 1985, 318, 382-384.	27.8	470
36	Genetic Acceleration of AIDS Progression by a Promoter Variant of CCR5. , 1998, 282, 1907-1911.		412

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37	ABCG2: A perspective. Advanced Drug Delivery Reviews, 2009, 61, 3-13.	13.7	409
38	Whole-genome and whole-exome sequencing of bladder cancer identifies frequent alterations in genes involved in sister chromatid cohesion and segregation. Nature Genetics, 2013, 45, 1459-1463.	21.4	400
39	Mutation of a Putative Mitochondrial Iron Transporter Gene (ABC7) in X-Linked Sideroblastic Anemia and Ataxia (XLSA/A). Human Molecular Genetics, 1999, 8, 743-749.	2.9	397
40	Multiple mutations in highly conserved residues are found in mildly affected cystic fibrosis patients. Cell, 1990, 61, 863-870.	28.9	391
41	Retinitis pigmentosa caused by a homozygous mutation in the Stargardt disease gene ABCR. Nature Genetics, 1998, 18, 11-12.	21.4	382
42	ABC Transporters, Drug Resistance, and Cancer Stem Cells. Journal of Mammary Gland Biology and Neoplasia, 2009, 14, 3-9.	2.7	377
43	Detecting single base substitutions as heteroduplex polymorphisms. Genomics, 1992, 12, 301-306.	2.9	369
44	Acquired mutations in the MXR/BCRP/ABCP gene alter substrate specificity in MXR/BCRP/ABCP-overexpressing cells. Cancer Research, 2001, 61, 6635-9.	0.9	329
45	Two Genes That Map to the STSL Locus Cause Sitosterolemia: Genomic Structure and Spectrum of Mutations Involving Sterolin-1 and Sterolin-2, Encoded by ABCG5 and ABCG8, Respectively. American Journal of Human Genetics, 2001, 69, 278-290.	6.2	318
46	A novel germ line juxtamembrane Met mutation in human gastric cancer. Oncogene, 2000, 19, 4947-4953.	5.9	308
47	HIV-1 infection in a man homozygous for CCR5â–µ32. Lancet, The, 1997, 349, 1219.	13.7	305
48	The multidrug resistance transporter ABCG2 (breast cancer resistance protein 1) effluxes Hoechst 33342 and is overexpressed in hematopoietic stem cells. Clinical Cancer Research, 2002, 8, 22-8.	7.0	303
49	The human met oncogene is related to the tyrosine kinase oncogenes. Nature, 1985, 318, 385-388.	27.8	302
50	ABCA3 Mutations Associated with Pediatric Interstitial Lung Disease. American Journal of Respiratory and Critical Care Medicine, 2005, 172, 1026-1031.	5.6	290
51	Genotype/Phenotype Analysis of a Photoreceptor-Specific ATP-Binding Cassette Transporter Gene, ABCR, in Stargardt Disease. American Journal of Human Genetics, 1999, 64, 422-434.	6.2	277
52	Characterization of the human ABC superfamily: isolation and mapping of 21 new genes using the expressed sequence tags database. Human Molecular Genetics, 1996, 5, 1649-1655.	2.9	275
53	Genome-wide association study provides evidence for a breast cancer risk locus at 6q22.33. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 4340-4345.	7.1	274
54	Inherited GATA3 variants are associated with Ph-like childhood acute lymphoblastic leukemia and risk of relapse. Nature Genetics, 2013, 45, 1494-1498.	21.4	264

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55	Human ATP-binding cassette transporter 1 (ABC1): Genomic organization and identification of the genetic defect in the original Tangier disease kindred. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 12685-12690.	7.1	254
56	Complete characterization of the human ABC gene family. Journal of Bioenergetics and Biomembranes, 2001, 33, 475-479.	2.3	249
57	Optimization of the single-strand conformation polymorphism (SSCP) technique for detection of point mutations. Human Mutation, 1993, 2, 404-414.	2.5	246
58	Multidrug Efflux Pumps and Cancer Stem Cells: Insights Into Multidrug Resistance and Therapeutic Development. Clinical Pharmacology and Therapeutics, 2011, 89, 491-502.	4.7	239
59	Evolution of ATP-binding cassette transporter genes. Current Opinion in Genetics and Development, 1995, 5, 779-785.	3.3	237
60	The chemical defensome: Environmental sensing and response genes in the Strongylocentrotus purpuratus genome. Developmental Biology, 2006, 300, 366-384.	2.0	235
61	Mapping of a Gene Causing Familial Mediterranean Fever to the Short Arm of Chromosome 16. New England Journal of Medicine, 1992, 326, 1509-1513.	27.0	229
62	Regulation of c-myc transcription and mRNA abundance by serum growth factors and cell contact.. Journal of Biological Chemistry, 1986, 261, 9161-9166.	3.4	229
63	Targeted therapy for cancer stem cells: the patched pathway and ABC transporters. Oncogene, 2007, 26, 1357-1360.	5.9	224
64	HPV16 E7 Genetic Conservation Is Critical to Carcinogenesis. Cell, 2017, 170, 1164-1174.e6.	28.9	221
65	Extended haplotypes in the complement factor H (CFH) and CFHâ€related (CFHR) family of genes protect against ageâ€related macular degeneration: Characterization, ethnic distribution and evolutionary implications. Annals of Medicine, 2006, 38, 592-604.	3.8	217
66	Identification, Expression, and Pharmacology of a Cys23-Ser23 Substitution in the Human 5-HT2C Receptor Gene (HTR2C). Genomics, 1995, 27, 274-279.	2.9	213
67	Novel Susceptibility Variants at 10p12.31-12.2 for Childhood Acute Lymphoblastic Leukemia in Ethnically Diverse Populations. Journal of the National Cancer Institute, 2013, 105, 733-742.	6.3	208
68	Sensitivity of single-strand conformation polymorphism and heteroduplex method for mutation detection in the cystic fibrosis gene. Human Molecular Genetics, 1994, 3, 801-807.	2.9	202
69	Genetics of HIV-1infection: chemokine receptor CCR5 polymorphism and its consequences. Human Molecular Genetics, 1999, 8, 1939-1945.	2.9	202
70	Regulation of c-myc transcription and mRNA abundance by serum growth factors and cell contact. Journal of Biological Chemistry, 1986, 261, 9161-6.	3.4	197
71	Homologues of the human multidrug resistance genes MRP and MDR contribute to heavy metal resistance in the soil nematode Caenorhabditis elegans.. EMBO Journal, 1996, 15, 6132-6143.	7.8	195
72	Genetic variants in AVPR1A linked to autism predict amygdala activation and personality traits in healthy humans. Molecular Psychiatry, 2009, 14, 968-975.	7.9	192

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73	Single-cell transcriptomics reveals regulators underlying immune cell diversity and immune subtypes associated with prognosis in nasopharyngeal carcinoma. Cell Research, 2020, 30, 1024-1042.	12.0	182
74	The B30.2(SPRY) Domain of the Retroviral Restriction Factor TRIM5Î± Exhibits Lineage-Specific Length and Sequence Variation in Primates. Journal of Virology, 2005, 79, 6111-6121.	3.4	181
75	A Mammalian patched Homolog Is Expressed in Target Tissues of sonic hedgehog and Maps to a Region Associated with Developmental Abnormalities. Journal of Biological Chemistry, 1996, 271, 12125-12128.	3.4	171
76	Structural and functional diversity calls for a new classification of ABC transporters. FEBS Letters, 2020, 594, 3767-3775.	2.8	169
77	Polymorphisms in multidrug resistance 1 (MDR1) gene are associated with refractory Crohn disease and ulcerative colitis. Genes and Immunity, 2004, 5, 530-539.	4.1	168
78	Population and pedigree studies reveal a lack of association between the dopamine D2 receptor gene and alcoholism. JAMA - Journal of the American Medical Association, 1990, 264, 3156-3160.	7.4	167
79	ARID5B Genetic Polymorphisms Contribute to Racial Disparities in the Incidence and Treatment Outcome of Childhood Acute Lymphoblastic Leukemia. Journal of Clinical Oncology, 2012, 30, 751-757.	1.6	165
80	c-myc regulation during retinoic acid-induced differentiation of F9 cells is posttranscriptional and associated with growth arrest.. Molecular and Cellular Biology, 1986, 6, 518-524.	2.3	157
81	Novel Alleles of the Chemokine-Receptor Gene CCR5. American Journal of Human Genetics, 1997, 61, 1261-1267.	6.2	152
82	BALANCEDPOLYMORPHISMSELECTED BYGENETICVERSUSINFECTIOUSHUMANDISEASE. Annual Review of Genomics and Human Genetics, 2002, 3, 263-292.	6.2	150
83	Evolution of the vertebrate ABC gene family: Analysis of gene birth and death. Genomics, 2006, 88, 1-11.	2.9	150
84	Induction of c-fos and c-myc mRNA by epidermal growth factor or calcium ionophore is cAMP dependent.. Proceedings of the National Academy of Sciences of the United States of America, 1986, 83, 8216-8220.	7.1	147
85	Evaluation of the Best disease gene in patients with age-related macular degeneration and other maculopathies. Human Genetics, 1999, 104, 449-453.	3.8	145
86	Tyrosine kinase oncogenes abrogate interleukin-3 dependence of murine myeloid cells through signaling pathways involving c-myc: conditional regulation of c-myc transcription by temperature-sensitive v-abl.. Molecular and Cellular Biology, 1989, 9, 5685-5695.	2.3	143
87	Two new genes from the human ATP-binding cassette transporter superfamily, ABCC11 and ABCC12, tandemly duplicated on chromosome 16q12. Gene, 2001, 273, 89-96.	2.2	143
88	The Genetics of ATPâ€Binding Cassette Transporters. Methods in Enzymology, 2005, 400, 409-429.	1.0	142
89	Comparison of variations detection between whole-genome amplification methods used in single-cell resequencing. GigaScience, 2015, 4, 37.	6.4	141
90	Frequency of Pathogenic Germline Variants in Cancer-Susceptibility Genes in Patients With Osteosarcoma. JAMA Oncology, 2020, 6, 724.	7.1	139

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91	Influence of theCCR2-V64IPolymorphism on Human Immunodeficiency Virus Type 1 Coreceptor Activity and on Chemokine Receptor Function of CCR2b, CCR3, CCR5, and CXCR4. Journal of Virology, 1998, 72, 7450-7458.	3.4	138
92	Mosaic loss of chromosome Y is associated with common variation near TCL1A. Nature Genetics, 2016, 48, 563-568.	21.4	134
93	Analysis of theABCA4Gene by Next-Generation Sequencing. , 2011, 52, 8479.		133
94	Molecular Cloning of a Brain-specific, Developmentally Regulated Neuregulin 1 (NRG1) Isoform and Identification of a Functional Promoter Variant Associated with Schizophrenia. Journal of Biological Chemistry, 2007, 282, 24343-24351.	3.4	131
95	Evidence of association ofAPOEwith age-related macular degeneration - a pooled analysis of 15 studies. Human Mutation, 2011, 32, 1407-1416.	2.5	130
96	The Essential Vertebrate ABCE1 Protein Interacts with Eukaryotic Initiation Factors. Journal of Biological Chemistry, 2006, 281, 7452-7457.	3.4	129
97	A High-Throughput Cell-Based Assay for Inhibitors of ABCG2 Activity. Journal of Biomolecular Screening, 2006, 11, 176-183.	2.6	128
98	Congenital bilateral absence of the vas deferens. A primarily genital form of cystic fibrosis. JAMA - Journal of the American Medical Association, 1992, 267, 1794-1797.	7.4	123
99	Effects of human TRIM5Î± polymorphisms on antiretroviral function and susceptibility to human immunodeficiency virus infection. Virology, 2006, 354, 15-27.	2.4	116
100	Identification of a Fourth Half ABC Transporter in the Human Peroxisomal Membrane. Human Molecular Genetics, 1997, 6, 1925-1931.	2.9	114
101	Biological Validation of Increased Schizophrenia Risk With NRG1, ERBB4, and AKT1 Epistasis via Functional Neuroimaging in Healthy Controls. Archives of General Psychiatry, 2010, 67, 991.	12.3	113
102	The genome of Diuraphis noxia, a global aphid pest of small grains. BMC Genomics, 2015, 16, 429.	2.8	113
103	Surfactant Composition and Function in Patients with ABCA3 Mutations. Pediatric Research, 2006, 59, 801-805.	2.3	112
104	A genome-wide association study of susceptibility to acute lymphoblastic leukemia in adolescents and young adults. Blood, 2015, 125, 680-686.	1.4	110
105	Single-Nucleotide Polymorphism (SNP) Analysis in the ABC Half-Transporter ABCG2 (MXR/BCRP/ABCP1). Cancer Biology and Therapy, 2002, 1, 696-702.	3.4	109
106	A frame-shift mutation in the cystic fibrosis gene. Nature, 1990, 344, 665-667.	27.8	108
107	The rod photoreceptor ATP-binding cassette transporter gene, ABCR, and retinal disease: from monogenic to multifactorial. Vision Research, 1999, 39, 2537-2544.	1.4	108
108	Monocyte-derived neutrophil chemotactic factor (MDNCF/IL-8) resides in a gene cluster along with several other members of the platelet factor 4 gene superfamily. Human Genetics, 1990, 84, 185-7.	3.8	107

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109	The ABC transporter gene family of Daphnia pulex. BMC Genomics, 2009, 10, 170.	2.8	107
110	Extended haplotypes in the complement factor H (CFH) and CFH-related (CFHR) family of genes protect against age-related macular degeneration: characterization, ethnic distribution and evolutionary implications. Annals of Medicine, 2006, 38, 592-604.	3.8	106
111	D2dopamine receptor genotype and cerebrospinal fluid homovanillic acid, 5-hydroxyindoleacetic acid and 3-methoxy-4-hydroxyphenylglycol in alcoholics in Finland and the United States. Acta Psychiatrica Scandinavica, 1992, 86, 351-357.	4.5	105
112	DRD2 Dopamine Receptor Genotype, Linkage Disequilibrium, and Alcoholism in American Indians and Other Populations. Alcoholism: Clinical and Experimental Research, 1993, 17, 199-204.	2.4	105
113	Large scale multifactorial likelihood quantitative analysis of BRCA1 and BRCA2 variants: An ENIGMA resource to support clinical variant classification. Human Mutation, 2019, 40, 1557-1578.	2.5	102
114	Concurrent Alterations in TERT, KDM6A, and the BRCA Pathway in Bladder Cancer. Clinical Cancer Research, 2014, 20, 4935-4948.	7.0	101
115	Characterization of Large Structural Genetic Mosaicism in Human Autosomes. American Journal of Human Genetics, 2015, 96, 487-497.	6.2	101
116	Specific regulation of c-myc oncogene expression in a murine B-cell lymphoma.. Proceedings of the National Academy of Sciences of the United States of America, 1984, 81, 5546-5550.	7.1	100
117	Single-cell sequencing analysis characterizes common and cell-lineage-specific mutations in a muscle-invasive bladder cancer. GigaScience, 2012, 1, 12.	6.4	99
118	Estrogen Receptor Genotypes and Haplotypes Associated with Breast Cancer Risk. Cancer Research, 2004, 64, 8891-8900.	0.9	97
119	Mutations in the human homologue of the Drosophila patched gene in Caucasian and African-American nevoid basal cell carcinoma syndrome patients. Cancer Research, 1996, 56, 4599-601.	0.9	97
120	CCR2 chemokine receptor and AIDS progression. Nature Medicine, 1997, 3, 1052-1053.	30.7	96
121	Mutational Analysis of ABCG2:â€‰ Role of the GXXXG Motif. Biochemistry, 2004, 43, 9448-9456.	2.5	96
122	Fine mapping and functional analysis of a common variant in MSMB on chromosome 10q11.2 associated with prostate cancer susceptibility. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 7933-7938.	7.1	96
123	Mapping of the serotonin 5-HT1DÎ² autoreceptor gene on chromosome 6 and direct analysis for sequence variants. American Journal of Medical Genetics Part A, 1995, 60, 157-161.	2.4	91
124	HIV-1 Infection in Individuals With the CCR5-Î”32/Î”32 Genotype: Acquisition of Syncytium-Inducing Virus at Seroconversion. Journal of Acquired Immune Deficiency Syndromes (1999), 2002, 29, 307-313.	2.1	90
125	Dissecting spatial heterogeneity and the immune-evasion mechanism of CTCs by single-cell RNA-seq in hepatocellular carcinoma. Nature Communications, 2021, 12, 4091.	12.8	90
126	Female chromosome X mosaicism is age-related and preferentially affects the inactivated X chromosome. Nature Communications, 2016, 7, 11843.	12.8	86

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127	Evolution of a cytoplasmic tripartite motif (TRIM) protein in cows that restricts retroviral infection. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 7454-7459.	7.1	85
128	Common Genetic Variants and Modification of Penetrance of BRCA2-Associated Breast Cancer. PLoS Genetics, 2010, 6, e1001183.	3.5	85
129	Variations in Apolipoprotein E Frequency With Age in a Pooled Analysis of a Large Group of Older People. American Journal of Epidemiology, 2011, 173, 1357-1364.	3.4	85
130	Molecular analysis of urothelial cancer cell lines for modeling tumor biology and drug response. Oncogene, 2017, 36, 35-46.	5.9	85
131	Evolution of ABC transporters by gene duplication and their role in human disease. Biological Chemistry, 2011, 392, 29-37.	2.5	84
132	22q11 deletion syndrome in childhood onset schizophrenia: an update. Molecular Psychiatry, 2004, 9, 225-226.	7.9	83
133	Transcriptional activation of immunoglobulin Î± heavy-chain genes by translocation of the c-myc oncogene. Nature, 1983, 305, 443-446.	27.8	82
134	Multilocus analysis of age-related macular degeneration. European Journal of Human Genetics, 2009, 17, 1190-1199.	2.8	78
135	Heterogeneity in the severity of cystic fibrosis and the role of CFTR gene mutations. Human Genetics, 1994, 93, 364-8.	3.8	77
136	Polymorphisms of the human IFNG gene noncoding regions. Immunogenetics, 2000, 51, 50-58.	2.4	76
137	The new sequencer on the block: comparison of Life Technologyâ€™s Proton sequencer to an Illumina HiSeq for whole-exome sequencing. Human Genetics, 2013, 132, 1153-1163.	3.8	75
138	Amplification of 4q21-q22 and theMXR gene in independently derived mitoxantrone-resistant cell lines. , 2000, 27, 110-116.		73
139	Typing of HLA-DQA1 and DQB1 using DNA single-strand conformation polymorphism. Human Immunology, 1992, 33, 208-212.	2.4	72
140	Tyrosine Kinase Oncogenes Abrogate Interleukin-3 Dependence of Murine Myeloid Cells through Signaling Pathways Involving c-myc: Conditional Regulation of c-myc Transcription by Temperature-Sensitive v-abl. Molecular and Cellular Biology, 1989, 9, 5685-5695.	2.3	69
141	<scp>XII</scp><scp>XVI</scp>. Yeast sequencing reports. Mapping and sequencing of two yeast genes belonging to the ATPâ€binding cassette superfamily. Yeast, 1994, 10, 377-383.	1.7	68
142	Genome Analysis of Latin American Cervical Cancer: Frequent Activation of the PIK3CA Pathway. Clinical Cancer Research, 2015, 21, 5360-5370.	7.0	68
143	Identification and characterization of a novel ABCA subfamily member, ABCA12, located in the lamellar ichthyosis region on 2q34. Cytogenetic and Genome Research, 2002, 98, 169-176.	1.1	67
144	Naturally Occurring CCR5 Extracellular and Transmembrane Domain Variants Affect HIV-1 Co-receptor and Ligand Binding Function. Journal of Biological Chemistry, 1999, 274, 16228-16234.	3.4	65

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145	Homologues of the human multidrug resistance genes MRP and MDR contribute to heavy metal resistance in the soil nematode Caenorhabditis elegans. EMBO Journal, 1996, 15, 6132-43.	7.8	65
146	Unique features of TRIM5Î± among closely related human TRIM family members. Virology, 2007, 360, 419-433.	2.4	64
147	Reduced risk of AIDS lymphoma in individuals heterozygous for the CCR5-delta32 mutation. Cancer Research, 1999, 59, 3561-4.	0.9	63
148	Full length article. Gene, 1998, 215, 111-122.	2.2	62
149	Mutations in the human ATP-binding cassette transportersABCG5 andABCG8 in sitosterolemia. Human Mutation, 2002, 20, 151-151.	2.5	61
150	Approaches to identify genes for complex human diseases: Lessons from Mendelian disorders. Human Mutation, 2003, 22, 261-274.	2.5	61
151	Preparation of high titer lambda phage lysates. Nucleic Acids Research, 1987, 15, 6298-6298.	14.5	60
152	Long homopurine*homopyrimidine sequences are characteristic of genes expressed in brain and the pseudoautosomal region. Nucleic Acids Research, 2006, 34, 2663-2675.	14.5	60
153	The UBIAD1 Prenyltransferase Links Menaquione-4 Synthesis to Cholesterol Metabolic Enzymes. Human Mutation, 2013, 34, 317-329.	2.5	60
154	Lack of transgenerational effects of ionizing radiation exposure from the Chernobyl accident. Science, 2021, 372, 725-729.	12.6	60
155	In Search of AIDS-Resistance Genes. Scientific American, 1997, 277, 44-51.	1.0	59
156	HIV-1 Infection in Individuals With the CCR5-Î”32/Î”32 Genotype: Acquisition of Syncytium-Inducing Virus at Seroconversion. Journal of Acquired Immune Deficiency Syndromes (1999), 2002, 29, 307-313.	2.1	59
157	CANCER STEM CELLS: Redefining the Paradigm of Cancer Treatment Strategies. Molecular Interventions: Pharmacological Perspectives From Biology, Chemistry and Genomics, 2006, 6, 140-148.	3.4	59
158	UBIAD1 Mutation Alters a Mitochondrial Prenyltransferase to Cause Schnyder Corneal Dystrophy. PLoS ONE, 2010, 5, e10760.	2.5	58
159	HLA-A*03 and response to immune checkpoint blockade in cancer: an epidemiological biomarker study. Lancet Oncology, The, 2022, 23, 172-184.	10.7	58
160	New inhibitors of ABCG2 identified by high-throughput screening. Molecular Cancer Therapeutics, 2007, 6, 3271-3278.	4.1	57
161	An exhaustive DNA micro-satellite map of the human genome using high performance computing. Genomics, 2003, 82, 10-19.	2.9	56
162	TET2 binds the androgen receptor and loss is associated with prostate cancer. Oncogene, 2017, 36, 2172-2183.	5.9	56

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163	Comparison of 1D and 2D NMR Spectroscopy for Metabolic Profiling. Journal of Proteome Research, 2008, 7, 630-639.	3.7	55
164	Somatic Host Cell Alterations in HPV Carcinogenesis. Viruses, 2017, 9, 206.	3.3	55
165	c-myc Regulation during Retinoic Acid-Induced Differentiation of F9 Cells Is Posttranscriptional and Associated with Growth Arrest. Molecular and Cellular Biology, 1986, 6, 518-524.	2.3	54
166	DHPLC screening of cystic fibrosis gene mutations. Human Mutation, 2002, 19, 374-383.	2.5	53
167	Cloning and organization of the abc and mdl genes of Escherichia coli: relationship to eukaryotic multidrug resistance. Gene, 1993, 136, 231-236.	2.2	52
168	Mutational scanning of the ABCR gene with double-gradient denaturing-gradient gel electrophoresis (DG-DGGE) in Italian Stargardt disease patients. Human Genetics, 2001, 109, 326-338.	3.8	52
169	Comparative genome analysis of potential regulatory elements in the ABCG5â€“ABCG8 gene cluster. Biochemical and Biophysical Research Communications, 2002, 295, 276-282.	2.1	52
170	Somatic Alterations Contributing to Metastasis of a Castration-Resistant Prostate Cancer. Human Mutation, 2013, 34, 1231-1241.	2.5	52
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