

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.

181 papers	7,013 citations	38 h-index	80 g-index
195 ext. papers	8,318 ext. citations	8 avg, IF	5.4 L-index

#	Paper	IF	Citations
181	Digenome-seq: genome-wide profiling of CRISPR-Cas9 off-target effects in human cells. <i>Nature Methods</i> , 2015 , 12, 237-43, 1 p following 243	21.6	652
180	The transcriptional landscape and mutational profile of lung adenocarcinoma. <i>Genome Research</i> , 2012 , 22, 2109-19	9.7	435
179	A transforming KIF5B and RET gene fusion in lung adenocarcinoma revealed from whole-genome and transcriptome sequencing. <i>Genome Research</i> , 2012 , 22, 436-45	9.7	367
178	Heat shock protein 70 inhibits apoptosis downstream of cytochrome c release and upstream of caspase-3 activation. <i>Journal of Biological Chemistry</i> , 2000 , 275, 25665-71	5.4	350
177	The fine-scale and complex architecture of human copy-number variation. <i>American Journal of Human Genetics</i> , 2008 , 82, 685-95	11	289
176	A highly annotated whole-genome sequence of a Korean individual. <i>Nature</i> , 2009 , 460, 1011-5	50.4	265
175	Comprehensive Analysis of the Transcriptional and Mutational Landscape of Follicular and Papillary Thyroid Cancers. <i>PLoS Genetics</i> , 2016 , 12, e1006239	6	178
174	The opsonin MFG-E8 is a ligand for the α 5 β 1 integrin and triggers DOCK180-dependent Rac1 activation for the phagocytosis of apoptotic cells. <i>Experimental Cell Research</i> , 2004 , 292, 403-16	4.2	173
173	A Breakdown in Metabolic Reprogramming Causes Microglia Dysfunction in Alzheimer's Disease. <i>Cell Metabolism</i> , 2019 , 30, 493-507.e6	24.6	170
172	Discovery of common Asian copy number variants using integrated high-resolution array CGH and massively parallel DNA sequencing. <i>Nature Genetics</i> , 2010 , 42, 400-5	36.3	167
171	P53-mediated induction of Cox-2 counteracts p53- or genotoxic stress-induced apoptosis. <i>EMBO Journal</i> , 2002 , 21, 5635-44	13	165
170	Viral Load Kinetics of MERS Coronavirus Infection. <i>New England Journal of Medicine</i> , 2016 , 375, 1303-5	59.2	155
169	A public resource facilitating clinical use of genomes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 11920-7	11.5	154
168	Genome-wide characterization of the routes to pluripotency. <i>Nature</i> , 2014 , 516, 198-206	50.4	153
167	p53 induction and activation of DDR1 kinase counteract p53-mediated apoptosis and influence p53 regulation through a positive feedback loop. <i>EMBO Journal</i> , 2003 , 22, 1289-301	13	130
166	Gene expression profiling by mRNA sequencing reveals increased expression of immune/inflammation-related genes in the hippocampus of individuals with schizophrenia. <i>Translational Psychiatry</i> , 2013 , 3, e321	8.6	116
165	Extensive genomic and transcriptional diversity identified through massively parallel DNA and RNA sequencing of eighteen Korean individuals. <i>Nature Genetics</i> , 2011 , 43, 745-52	36.3	110

164	Genetic alterations of JAK/STAT cascade and histone modification in extranodal NK/T-cell lymphoma nasal type. <i>Oncotarget</i> , 2015 , 6, 17764-76	3.3	104
163	Transforming growth factor-beta1 regulates macrophage migration via RhoA. <i>Blood</i> , 2006 , 108, 1821-9	2.2	98
162	T cell lymphoma in transgenic mice expressing the human Hsp70 gene. <i>Biochemical and Biophysical Research Communications</i> , 1996 , 218, 582-7	3.4	98
161	Deregulation of immune response genes in patients with Epstein-Barr virus-associated gastric cancer and outcomes. <i>Gastroenterology</i> , 2015 , 148, 137-147.e9	13.3	85
160	Tumor Suppressor miRNA-204-5p Regulates Growth, Metastasis, and Immune Microenvironment Remodeling in Breast Cancer. <i>Cancer Research</i> , 2019 , 79, 1520-1534	10.1	83
159	Integrative analysis of genomic and transcriptomic characteristics associated with progression of aggressive thyroid cancer. <i>Nature Communications</i> , 2019 , 10, 2764	17.4	80
158	Targeted disruption of hsp70.1 sensitizes to osmotic stress. <i>EMBO Reports</i> , 2002 , 3, 857-61	6.5	80
157	Genetic diagnosis of Duchenne and Becker muscular dystrophy using next-generation sequencing technology: comprehensive mutational search in a single platform. <i>Journal of Medical Genetics</i> , 2011 , 48, 731-6	5.8	70
156	RNA editing in RHOQ promotes invasion potential in colorectal cancer. <i>Journal of Experimental Medicine</i> , 2014 , 211, 613-21	16.6	67
155	Targeted sequencing of cancer-related genes in colorectal cancer using next-generation sequencing. <i>PLoS ONE</i> , 2013 , 8, e64271	3.7	61
154	Novel fusion transcripts in human gastric cancer revealed by transcriptome analysis. <i>Oncogene</i> , 2014 , 33, 5434-41	9.2	57
153	FX: an RNA-Seq analysis tool on the cloud. <i>Bioinformatics</i> , 2012 , 28, 721-3	7.2	57
152	Cyclooxygenase-2 promotes cell proliferation, migration and invasion in U2OS human osteosarcoma cells. <i>Experimental and Molecular Medicine</i> , 2007 , 39, 469-76	12.8	57
151	Deep resequencing of 131 Crohn's disease associated genes in pooled DNA confirmed three reported variants and identified eight novel variants. <i>Gut</i> , 2016 , 65, 788-96	19.2	54
150	SIRT1 regulates tyrosine hydroxylase expression and differentiation of neuroblastoma cells via FOXO3a. <i>FEBS Letters</i> , 2009 , 583, 1183-8	3.8	47
149	COX-2 regulates p53 activity and inhibits DNA damage-induced apoptosis. <i>Biochemical and Biophysical Research Communications</i> , 2005 , 328, 1107-12	3.4	47
148	Genome-wide association and expression quantitative trait loci studies identify multiple susceptibility loci for thyroid cancer. <i>Nature Communications</i> , 2017 , 8, 15966	17.4	46
147	MicroRNA Expression Profiles in Gastric Carcinogenesis. <i>Scientific Reports</i> , 2018 , 8, 14393	4.9	46

146	Phosphorylation of c-Crk II on the negative regulatory Tyr222 mediates nerve growth factor-induced cell spreading and morphogenesis. <i>Journal of Biological Chemistry</i> , 2000 , 275, 24787-97	5.4	44
145	Conservation of copy number profiles during engraftment and passaging of patient-derived cancer xenografts. <i>Nature Genetics</i> , 2021 , 53, 86-99	36.3	44
144	Epigenetic regulation of cholinergic receptor M1 (CHRM1) by histone H3K9me3 impairs Ca(2+) signaling in Huntington's disease. <i>Acta Neuropathologica</i> , 2013 , 125, 727-39	14.3	38
143	Comprehensive genomic analyses associate UGT8 variants with musical ability in a Mongolian population. <i>Journal of Medical Genetics</i> , 2012 , 49, 747-52	5.8	38
142	Genomic alterations in BCL2L1 and DLC1 contribute to drug sensitivity in gastric cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 12492-7	11.5	36
141	Noninvasive prenatal diagnosis of duchenne muscular dystrophy: comprehensive genetic diagnosis in carrier, proband, and fetus. <i>Clinical Chemistry</i> , 2015 , 61, 829-37	5.5	35
140	Dysregulated Wnt signalling and recurrent mutations of the tumour suppressor RNF43 in early gastric carcinogenesis. <i>Journal of Pathology</i> , 2016 , 240, 304-314	9.4	35
139	Association between salivary amylase (AMY1) gene copy numbers and insulin resistance in asymptomatic Korean men. <i>Diabetic Medicine</i> , 2015 , 32, 1588-95	3.5	34
138	Whole-exome sequencing identifies mutations of KIF22 in spondyloepimetaphyseal dysplasia with joint laxity, leptodactylic type. <i>American Journal of Human Genetics</i> , 2011 , 89, 760-6	11	34
137	Rho is involved in superoxide formation during phagocytosis of opsonized zymosans. <i>Journal of Biological Chemistry</i> , 2004 , 279, 21589-97	5.4	32
136	RNA-Seq analysis of frontal cortex and cerebellum from 5XFAD mice at early stage of disease pathology. <i>Journal of Alzheimer's Disease</i> , 2012 , 29, 793-808	4.3	31
135	Whole-exome and transcriptome sequencing of refractory diffuse large B-cell lymphoma. <i>Oncotarget</i> , 2016 , 7, 86433-86445	3.3	31
134	Recurrent fusion transcripts detected by whole-transcriptome sequencing of 120 primary breast cancer samples. <i>Genes Chromosomes and Cancer</i> , 2015 , 54, 681-91	5	30
133	Epidemiologic characteristics of intraocular pressure in the Korean and Mongolian populations: the Healthy Twin and the GENDISCAN study. <i>Ophthalmology</i> , 2012 , 119, 450-7	7.3	29
132	A multifunctional protein EWS regulates the expression of Drosha and microRNAs. <i>Cell Death and Differentiation</i> , 2014 , 21, 136-45	12.7	28
131	Upregulation of neuronal nitric oxide synthase in the periphery promotes pain hypersensitivity after peripheral nerve injury. <i>Neuroscience</i> , 2011 , 190, 367-78	3.9	28
130	Neuronal loss in primary long-term cortical culture involves neurodegeneration-like cell death via calpain and p35 processing, but not developmental apoptosis or aging. <i>Experimental and Molecular Medicine</i> , 2007 , 39, 14-26	12.8	28
129	HSP90 protects apoptotic cleavage of vimentin in geldanamycin-induced apoptosis. <i>Molecular and Cellular Biochemistry</i> , 2006 , 281, 111-21	4.2	28

128	Higher mitochondrial DNA copy number is associated with lower prevalence of microalbuminuria. <i>Experimental and Molecular Medicine</i> , 2009 , 41, 253-8	12.8	27
127	Downstream components of RhoA required for signal pathway of superoxide formation during phagocytosis of serum opsonized zymosans in macrophages. <i>Experimental and Molecular Medicine</i> , 2005 , 37, 575-87	12.8	27
126	High prevalence of TP53 mutations is associated with poor survival and an EMT signature in gliosarcoma patients. <i>Experimental and Molecular Medicine</i> , 2017 , 49, e317	12.8	24
125	Clinical application of genomic profiling to find druggable targets for adolescent and young adult (AYA) cancer patients with metastasis. <i>BMC Cancer</i> , 2016 , 16, 170	4.8	24
124	I148M variant in PNPLA3 reduces central adiposity and metabolic disease risks while increasing nonalcoholic fatty liver disease. <i>Liver International</i> , 2015 , 35, 2537-46	7.9	24
123	Clinical whole exome sequencing in early onset diabetes patients. <i>Diabetes Research and Clinical Practice</i> , 2016 , 122, 71-77	7.4	23
122	A role of placental growth factor in hair growth. <i>Journal of Dermatological Science</i> , 2014 , 74, 125-34	4.3	23
121	Findings of a 1303 Korean whole-exome sequencing study. <i>Experimental and Molecular Medicine</i> , 2017 , 49, e356	12.8	23
120	COX-2 inhibits anoikis by activation of the PI-3K/Akt pathway in human bladder cancer cells. <i>Experimental and Molecular Medicine</i> , 2005 , 37, 199-203	12.8	23
119	Nonsynonymous Variants in and Are Associated With Type 2 Diabetes in an East Asian Population. <i>Diabetes</i> , 2018 , 67, 1892-1902	0.9	23
118	Transcriptome analyses of chronic traumatic encephalopathy show alterations in protein phosphatase expression associated with tauopathy. <i>Experimental and Molecular Medicine</i> , 2017 , 49, e333	12.8	21
117	Exoenzyme Tat-C3 inhibits association of zymosan particles, phagocytosis, adhesion, and complement binding in macrophage cells. <i>Molecules and Cells</i> , 2003 , 16, 216-23	3.5	21
116	Epigenome signatures landscaped by histone H3K9me3 are associated with the synaptic dysfunction in Alzheimer's disease. <i>Aging Cell</i> , 2020 , 19, e13153	9.9	20
115	Somatic deletions implicated in functional diversity of brain cells of individuals with schizophrenia and unaffected controls. <i>Scientific Reports</i> , 2014 , 4, 3807	4.9	20
114	Reference-unbiased copy number variant analysis using CGH microarrays. <i>Nucleic Acids Research</i> , 2010 , 38, e190	20.1	20
113	Analysis of gene expression in cyclooxygenase-2-overexpressed human osteosarcoma cell lines. <i>Genomics and Informatics</i> , 2014 , 12, 247-53	1.9	20
112	Engineered prime editors with PAM flexibility. <i>Molecular Therapy</i> , 2021 , 29, 2001-2007	11.7	20
111	Glutaminase 2 expression is associated with regional heterogeneity of 5-aminolevulinic acid fluorescence in glioblastoma. <i>Scientific Reports</i> , 2017 , 7, 12221	4.9	17

110	Identifying Pathogenic Variants of Monogenic Diabetes Using Targeted Panel Sequencing in an East Asian Population. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2019 ,	5.6	16
109	A genome-wide Asian genetic map and ethnic comparison: the GENDISCAN study. <i>BMC Genomics</i> , 2008 , 9, 554	4.5	16
108	Phagocytosis of serum- and IgG-opsonized zymosan particles induces apoptosis through superoxide but not nitric oxide in macrophage J774A.1. <i>Experimental and Molecular Medicine</i> , 2003 , 35, 211-21	12.8	16
107	NTRK1 fusions for the therapeutic intervention of Korean patients with colon cancer. <i>Oncotarget</i> , 2016 , 7, 8399-412	3.3	16
106	FARS2 mutation and epilepsy: Possible link with early-onset epileptic encephalopathy. <i>Epilepsy Research</i> , 2017 , 129, 118-124	3	15
105	Targeted linked-read sequencing for direct haplotype phasing of maternal DMD alleles: a practical and reliable method for noninvasive prenatal diagnosis. <i>Scientific Reports</i> , 2018 , 8, 8678	4.9	15
104	Combined linkage and association analyses identify a novel locus for obesity near PROX1 in Asians. <i>Obesity</i> , 2013 , 21, 2405-12	8	15
103	Genetic association of APOA5 and APOE with metabolic syndrome and their interaction with health-related behavior in Korean men. <i>Lipids in Health and Disease</i> , 2015 , 14, 105	4.4	15
102	RANBP2-ALK fusion combined with monosomy 7 in acute myelomonocytic leukemia. <i>Cancer Genetics</i> , 2014 , 207, 40-5	2.3	15
101	Replication of a glaucoma candidate gene on 5q22.1 for intraocular pressure in mongolian populations: the GENDISCAN Project 2010 , 51, 1335-40		15
100	TIARA: a database for accurate analysis of multiple personal genomes based on cross-technology. <i>Nucleic Acids Research</i> , 2011 , 39, D883-8	20.1	15
99	p21WAF/CIP1/SDI1 is upregulated due to increased mRNA stability during hydroxyurea-induced senescence of human fibroblasts. <i>Mechanisms of Ageing and Development</i> , 2005 , 126, 1255-61	5.6	15
98	Diagnostic Yield of Epilepsy Panel Testing in Patients With Seizure Onset Within the First Year of Life. <i>Frontiers in Neurology</i> , 2019 , 10, 988	4.1	14
97	Abdominal adiposity intensifies the negative effects of ambient air pollution on lung function in Korean men. <i>International Journal of Obesity</i> , 2017 , 41, 1218-1223	5.5	13
96	Priming mobilization of hair follicle stem cells triggers permanent loss of regeneration after alkylating chemotherapy. <i>Nature Communications</i> , 2019 , 10, 3694	17.4	13
95	Altered nucleocytoplasmic proteome and transcriptome distributions in an in vitro model of amyotrophic lateral sclerosis. <i>PLoS ONE</i> , 2017 , 12, e0176462	3.7	13
94	Targeted resequencing of candidate genes reveals novel variants associated with severe Behçet's uveitis. <i>Experimental and Molecular Medicine</i> , 2013 , 45, e49	12.8	13
93	Transcriptional regulation of Zic3 by heterodimeric AP-1(c-Jun/c-Fos) during <i>Xenopus</i> development. <i>Experimental and Molecular Medicine</i> , 2004 , 36, 468-75	12.8	13

92	Heritabilities of facial measurements and their latent factors in Korean families. <i>Genomics and Informatics</i> , 2013 , 11, 83-92	1.9	13
91	Isolation of Middle East Respiratory Syndrome Coronavirus from a Patient of the 2015 Korean Outbreak. <i>Journal of Korean Medical Science</i> , 2016 , 31, 315-20	4.7	13
90	NTRK and RET fusion-directed therapy in pediatric thyroid cancer yields a tumor response and radioiodine uptake. <i>Journal of Clinical Investigation</i> , 2021 , 131,	15.9	13
89	A Novel Combination Treatment Targeting BCL-X and MCL1 for -mutated and -amplified Colorectal Cancers. <i>Molecular Cancer Therapeutics</i> , 2017 , 16, 2178-2190	6.1	12
88	Colorectal cancer-susceptibility single-nucleotide polymorphisms in Korean population. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2015 , 30, 849-57	4	12
87	A family-based association study after genome-wide linkage analysis identified two genetic loci for renal function in a Mongolian population. <i>Kidney International</i> , 2013 , 83, 285-92	9.9	12
86	Hypoxia-induced cell death of HepG2 cells involves a necrotic cell death mediated by calpain. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2007 , 12, 707-18	5.4	12
85	Exomic sequencing of immune-related genes reveals novel candidate variants associated with alopecia universalis. <i>PLoS ONE</i> , 2013 , 8, e53613	3.7	12
84	NARD: whole-genome reference panel of 1779 Northeast Asians improves imputation accuracy of rare and low-frequency variants. <i>Genome Medicine</i> , 2019 , 11, 64	14.4	11
83	Whole genome sequencing of Nontuberculous Mycobacterium (NTM) isolates from sputum specimens of co-habiting patients with NTM pulmonary disease and NTM isolates from their environment. <i>BMC Genomics</i> , 2020 , 21, 322	4.5	11
82	Molecular diagnosis of congenital muscular dystrophies with defective glycosylation of alpha-dystroglycan using next-generation sequencing technology. <i>Neuromuscular Disorders</i> , 2013 , 23, 337-44	2.9	11
81	A Common Variant of NGEF Is Associated with Abdominal Visceral Fat in Korean Men. <i>PLoS ONE</i> , 2015 , 10, e0137564	3.7	11
80	Transcriptional regulation of Xbr-1a/Xvent-2 homeobox gene: analysis of its promoter region. <i>Biochemical and Biophysical Research Communications</i> , 2002 , 298, 815-23	3.4	11
79	Predominant Pathogenic Variants in Pediatric Follicular Thyroid Carcinomas. <i>Thyroid</i> , 2020 , 30, 1120-1136.2	13.2	10
78	Collagen VI-related myopathy: Expanding the clinical and genetic spectrum. <i>Muscle and Nerve</i> , 2018 , 58, 381-388	3.4	10
77	Copy number variation of age-related macular degeneration relevant genes in the Korean population. <i>PLoS ONE</i> , 2012 , 7, e31243	3.7	10
76	Analysis of genetic and non-genetic factors that affect the QTc interval in a Mongolian population: the GENDISCAN study. <i>Experimental and Molecular Medicine</i> , 2009 , 41, 841-8	12.8	10
75	CDH13 gene-by-PM interaction effect on lung function decline in Korean men. <i>Chemosphere</i> , 2017 , 168, 583-589	8.4	9

74	The full-length DNA sequence of Epstein Barr virus from a human gastric carcinoma cell line, SNU-719. <i>Virus Genes</i> , 2015 , 51, 329-37	2.3	9
73	Hoyeraal-Hreidarsson syndrome with a DKC1 mutation identified by whole-exome sequencing. <i>Gene</i> , 2014 , 546, 425-9	3.8	9
72	Markers of disease and steroid responsiveness in paediatric idiopathic nephrotic syndrome: Whole-transcriptome sequencing of peripheral blood mononuclear cells. <i>Journal of International Medical Research</i> , 2017 , 45, 948-963	1.4	9
71	3-Oxoacid CoA transferase 1 as a therapeutic target gene for cisplatin-resistant ovarian cancer. <i>Oncology Letters</i> , 2018 , 15, 2611-2618	2.6	9
70	Genomic Copy Number Variations Characterize the Prognosis of Both P16-Positive and P16-Negative Oropharyngeal Squamous Cell Carcinoma After Curative Resection. <i>Medicine (United States)</i> , 2015 , 94, e2187	1.8	9
69	Association of HLA Genotype and Fulminant Type 1 Diabetes in Koreans. <i>Genomics and Informatics</i> , 2015 , 13, 126-31	1.9	9
68	Comprehensive Molecular Characterization of Adenocarcinoma of the Gastroesophageal Junction Between Esophageal and Gastric Adenocarcinomas. <i>Annals of Surgery</i> , 2020 ,	7.8	9
67	Identification of African-Specific Admixture between Modern and Archaic Humans. <i>American Journal of Human Genetics</i> , 2019 , 105, 1254-1261	11	9
66	Unstable Genome and Transcriptome Dynamics during Tumor Metastasis Contribute to Therapeutic Heterogeneity in Colorectal Cancers. <i>Clinical Cancer Research</i> , 2019 , 25, 2821-2834	12.9	8
65	Amplification of transglutaminase 2 enhances tumor-promoting inflammation in gastric cancers. <i>Experimental and Molecular Medicine</i> , 2020 , 52, 854-864	12.8	8
64	Gene mapping study for constitutive skin color in an isolated Mongolian population. <i>Experimental and Molecular Medicine</i> , 2012 , 44, 241-9	12.8	8
63	Interactions of CDH13 gene polymorphisms and ambient PM air pollution exposure with blood pressure and hypertension in Korean men. <i>Chemosphere</i> , 2019 , 218, 292-298	8.4	8
62	Ablation of STAT3 in Purkinje cells reorganizes cerebellar synaptic plasticity in long-term fear memory network. <i>ELife</i> , 2021 , 10,	8.9	8
61	Genome-wide combination profiling of copy number and methylation offers an approach for deciphering misregulation and development in cancer cells. <i>Gene</i> , 2008 , 407, 139-47	3.8	7
60	xCyp26c Induced by Inhibition of BMP Signaling Is Involved in Anterior-Posterior Neural Patterning of <i>Xenopus laevis</i> . <i>Molecules and Cells</i> , 2016 , 39, 352-7	3.5	7
59	Linkage and association scan for tanning ability in an isolated Mongolian population. <i>BMB Reports</i> , 2011 , 44, 741-6	5.5	7
58	Clinical Application of Next-Generation Sequencing-Based Panel to Wild-Type Advanced Melanoma Identifies Key Oncogenic Alterations and Therapeutic Strategies. <i>Molecular Cancer Therapeutics</i> , 2020 , 19, 937-944	6.1	7
57	The function of heterodimeric AP-1 comprised of c-Jun and c-Fos in activin mediated Spemann organizer gene expression. <i>PLoS ONE</i> , 2011 , 6, e21796	3.7	6

56	Family-Based Association Study of Pulmonary Function in a Population in Northeast Asia. <i>PLoS ONE</i> , 2015 , 10, e0139716	3.7	6
55	Outbreak investigation of <i>Serratia marcescens</i> neurosurgical site infections associated with a contaminated shaving razors. <i>Antimicrobial Resistance and Infection Control</i> , 2020 , 9, 64	6.2	5
54	Downregulated miR-18b-5p triggers apoptosis by inhibition of calcium signaling and neuronal cell differentiation in transgenic SOD1 (G93A) mice and SOD1 (G17S and G86S) ALS patients. <i>Translational Neurodegeneration</i> , 2020 , 9, 23	10.3	5
53	Genome-Wide Association Study Reveals Distinct Genetic Susceptibility of Thyroid Nodules From Thyroid Cancer. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2018 , 103, 4384-4394	5.6	5
52	TIARA genome database: update 2013. <i>Database: the Journal of Biological Databases and Curation</i> , 2013 , 2013, bat003	5	5
51	Genome-wide linkage analysis for ocular and nasal anthropometric traits in a Mongolian population. <i>Experimental and Molecular Medicine</i> , 2010 , 42, 799-804	12.8	5
50	Nerve growth factor induces proliferation of PC12 cells through Cdc42. <i>NeuroReport</i> , 2003 , 14, 1277-81	1.7	5
49	Phosphorylation of 46-kDa protein of synaptic vesicle membranes is stimulated by GTP and Ca ²⁺ /calmodulin. <i>Experimental and Molecular Medicine</i> , 2002 , 34, 434-43	12.8	5
48	Phase II study of durvalumab and tremelimumab in pulmonary sarcomatoid carcinoma: KCSG-LU16-07. <i>Thoracic Cancer</i> , 2020 , 11, 3482-3489	3.2	5
47	High prevalence of TP53 loss and whole-genome doubling in early-onset colorectal cancer. <i>Experimental and Molecular Medicine</i> , 2021 , 53, 446-456	12.8	5
46	Alterations in the Rho pathway contribute to Epstein-Barr virus-induced lymphomagenesis in immunosuppressed environments. <i>Blood</i> , 2018 , 131, 1931-1941	2.2	4
45	CYP1A1 gene polymorphisms modify the association between PM exposure and lung function. <i>Chemosphere</i> , 2018 , 203, 353-359	8.4	4
44	A copy number variation in PKD1L2 is associated with colorectal cancer predisposition in Korean population. <i>International Journal of Cancer</i> , 2017 , 140, 86-94	7.5	4
43	The first Irish genome and ways of improving sequence accuracy. <i>Genome Biology</i> , 2010 , 11, 132	18.3	4
42	Heritability and linkage study on heart rates in a Mongolian population. <i>Experimental and Molecular Medicine</i> , 2008 , 40, 558-64	12.8	4
41	Genomic characterization of clonal evolution during oropharyngeal carcinogenesis driven by human papillomavirus 16. <i>BMB Reports</i> , 2018 , 51, 584-589	5.5	4
40	Comparative genomics of <i>Mycoplasma pneumoniae</i> isolated from children with pneumonia: South Korea, 2010-2016. <i>BMC Genomics</i> , 2019 , 20, 910	4.5	4
39	S100A8/A9 mediate the reprogramming of normal mammary epithelial cells induced by dynamic cell-cell interactions with adjacent breast cancer cells. <i>Scientific Reports</i> , 2021 , 11, 1337	4.9	4

38	Genetic variations associated with response to dutasteride in the treatment of male subjects with androgenetic alopecia. <i>PLoS ONE</i> , 2019 , 14, e0222533	3.7	3
37	Targeted next-generation sequencing at copy-number breakpoints for personalized analysis of rearranged ends in solid tumors. <i>PLoS ONE</i> , 2014 , 9, e100089	3.7	3
36	Draft Genome of , a Pathogen Responsible for Visceral Larva Migrans. <i>Korean Journal of Parasitology</i> , 2016 , 54, 751-758	1.7	3
35	Predictive biomarkers for 5-fluorouracil and oxaliplatin-based chemotherapy in gastric cancers via profiling of patient-derived xenografts. <i>Nature Communications</i> , 2021 , 12, 4840	17.4	3
34	The novel high-frequency variant of TRPV3 p.A628T in East Asians showing faster sensitization in response to chemical agonists. <i>Pflugers Archiv European Journal of Physiology</i> , 2019 , 471, 1273-1289	4.6	2
33	xCITED2 Induces Neural Genes in Animal Cap Explants of Xenopus Embryos. <i>Experimental Neurobiology</i> , 2011 , 20, 123-9	4	2
32	STAT3 is a key molecule in the oncogenic behavior of diffuse intrinsic pontine glioma. <i>Oncology Letters</i> , 2020 , 20, 1989-1998	2.6	2
31	Protein Phosphatase 1H, Cyclin-Dependent Kinase Inhibitor p27, and Cyclin-Dependent Kinase 2 in Paclitaxel Resistance for Triple Negative Breast Cancers. <i>Journal of Breast Cancer</i> , 2020 , 23, 162-170	3	2
30	Detection of hydin Gene Duplication in Personal Genome Sequence Data. <i>Genomics and Informatics</i> , 2009 , 7, 159-162	1.9	2
29	JAK2 regulates paclitaxel resistance in triple negative breast cancers. <i>Journal of Molecular Medicine</i> , 2021 , 99, 1783-1795	5.5	2
28	Whole-genome reference panel of 1,781 Northeast Asians improves imputation accuracy of rare and low-frequency variants		2
27	Sequencing cell-free fetal DNA in pregnant women with GCK-MODY: a proof-of-concept study. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021 ,	5.6	2
26	Thyroid nodules in childhood-onset Hashimoto's thyroiditis: Frequency, risk factors, follow-up course and genetic alterations of thyroid cancer. <i>Clinical Endocrinology</i> , 2021 , 95, 638-648	3.4	2
25	Discovery of acquired molecular signature on immune checkpoint inhibitors in paired tumor tissues. <i>Cancer Immunology, Immunotherapy</i> , 2021 , 70, 1755-1769	7.4	2
24	Cross-Talk between Wnt Signaling and Src Tyrosine Kinase. <i>Biomedicines</i> , 2022 , 10, 1112	4.8	2
23	A newly developed capture-based sequencing panel for genomic assay of lung cancer. <i>Genes and Genomics</i> , 2020 , 42, 751-759	2.1	1
22	A glioneuronal tumor with fusion. <i>Npj Genomic Medicine</i> , 2020 , 5, 24	6.2	1
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