Jong-Il Kim

List of Publications by Year
in descending order

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187	9,398	66343	46799
papers	citations	42 h-index	89 g-index

195	195	195	17865
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Radiation Response Prediction Model Based on Integrated Clinical and Genomic Data Analysis. Cancer Research and Treatment, 2022, 54, 383-395.	3.0	4
2	Image Correlation-Based Method to Assess Ciliary Beat Frequency in Human Airway Organoids. IEEE Transactions on Medical Imaging, 2022, 41, 374-382.	8.9	3
3	Comprehensive Molecular Characterization of Adenocarcinoma of the Gastroesophageal Junction Between Esophageal and Gastric Adenocarcinomas. Annals of Surgery, 2022, 275, 706-717.	4.2	30
4	Calsequestrin 2 overexpression in breast cancer increases tumorigenesis and metastasis by modulating the tumor microenvironment. Molecular Oncology, 2022, 16, 466-484.	4.6	10
5	Early onset female pattern hair loss: A caseâ€“control study for analyzing clinical features and genetic variants. Journal of Dermatological Science, 2022, 106, 21-28.	1.9	7
6	Experimental development of the epigenomic library construction method to elucidate the epigenetic diversity and causal relationship between epigenome and transcriptome at a single-cell level. Genomics and Informatics, 2022, 20, e2.	0.8	0
7	Cross-Talk between Wnt Signaling and Src Tyrosine Kinase. Biomedicines, 2022, 10, 1112.	3.2	11
8	Expression-based species deconvolution and realignment removes misalignment error in multispecies single-cell data. BMC Bioinformatics, 2022, 23, 157.	2.6	0
9	S100A8/A9 mediate the reprograming of normal mammary epithelial cells induced by dynamic cellâ€“cell interactions with adjacent breast cancer cells. Scientific Reports, 2021, 11, 1337.	3.3	15
10	Ablation of STAT3 in Purkinje cells reorganizes cerebellar synaptic plasticity in long-term fear memory network. ELife, 2021, 10, .	6.0	22
11	Conservation of copy number profiles during engraftment and passaging of patient-derived cancer xenografts. Nature Genetics, 2021, 53, 86-99.	21.4	118
12	Genomic profile of metastatic breast cancer patient-derived xenografts established using percutaneous biopsy. Journal of Translational Medicine, 2021, 19, 7.	4.4	0
13	Discovery of acquired molecular signature on immune checkpoint inhibitors in paired tumor tissues. Cancer Immunology, Immunotherapy, 2021, 70, 1755-1769.	4.2	4
14	High prevalence of TP53 loss and whole-genome doubling in early-onset colorectal cancer. Experimental and Molecular Medicine, 2021, 53, 446-456.	7.7	13
15	Sequencing Cell-free Fetal DNA in Pregnant Women With GCK-MODY. Journal of Clinical Endocrinology and Metabolism, 2021, 106, 2678-2689.	3.6	6
16	Engineered prime editors with PAM flexibility. Molecular Therapy, 2021, 29, 2001-2007.	8.2	56
17	Thyroid nodules in childhoodâ€onset Hashimoto's thyroiditis: Frequency, risk factors, followâ€up course and genetic alterations of thyroid cancer. Clinical Endocrinology, 2021, 95, 638-648.	2.4	6
18	Predictive biomarkers for 5-fluorouracil and oxaliplatin-based chemotherapy in gastric cancers via profiling of patient-derived xenografts. Nature Communications, 2021, 12, 4840.	12.8	27

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19	Glucose metabolic profiles evaluated by PET associated with molecular characteristic landscape of gastric cancer. Gastric Cancer, 2021, , 1.	5.3	2
20	NTRK and RET fusionâ€“directed therapy in pediatric thyroid cancer yields a tumor response and radioiodine uptake. Journal of Clinical Investigation, 2021, 131, .	8.2	62
21	Vertical sleeve gastrectomy induces distinctive transcriptomic responses in liver, fat and muscle. Scientific Reports, 2021, 11, 2310.	3.3	8
22	JAK2 regulates paclitaxel resistance in triple negative breast cancers. Journal of Molecular Medicine, 2021, 99, 1783-1795.	3.9	17
23	Clinical Application of Next-Generation Sequencingâ€“Based Panel to BRAF Wild-Type Advanced Melanoma Identifies Key Oncogenic Alterations and Therapeutic Strategies. Molecular Cancer Therapeutics, 2020, 19, 937-944.	4.1	14
24	A genome-wide by PM10 interaction study identifies novel loci for lung function near BICD1 and IL1RN-IL1F10 genes in Korean adults. Chemosphere, 2020, 245, 125581.	8.2	2
25	Phase <scp>II</scp> study of durvalumab and tremelimumab in pulmonary sarcomatoid carcinoma: <scp>KCSGâ€LU16</scp>â€07. Thoracic Cancer, 2020, 11, 3482-3489.	1.9	16
26	A High Quality Asian Genome Assembly Identifies Features of Common Missing Regions. Genes, 2020, 11, 1350.	2.4	0
27	Epigenome signatures landscaped by histone H3K9me3 are associated with the synaptic dysfunction in Alzheimer's disease. Aging Cell, 2020, 19, e13153.	6.7	53
28	Predominant DICER1 Pathogenic Variants in Pediatric Follicular Thyroid Carcinomas. Thyroid, 2020, 30, 1120-1131.	4.5	29
29	Outbreak investigation of Serratia marcescens neurosurgical site infections associated with a contaminated shaving razors. Antimicrobial Resistance and Infection Control, 2020, 9, 64.	4.1	9
30	Amplification of transglutaminase 2 enhances tumor-promoting inflammation in gastric cancers. Experimental and Molecular Medicine, 2020, 52, 854-864.	7.7	22
31	A newly developed capture-based sequencing panel for genomic assay of lung cancer. Genes and Genomics, 2020, 42, 751-759.	1.4	2
32	A glioneuronal tumor with CLIP2-MET fusion. Npj Genomic Medicine, 2020, 5, 24.	3.8	3
33	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. Translational Neurodegeneration, 2020, 9, 23.	8.0	14
34	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. BMC Genomics, 2020, 21, 322.	2.8	27
35	A population-specific low-frequency variant of SLC22A12 (p.W258*) explains nearby genome-wide association signals for serum uric acid concentrations among Koreans. PLoS ONE, 2020, 15, e0231336.	2.5	2
36	DNAJB9 Inhibits p53-Dependent Oncogene-Induced Senescence and Induces Cell Transformation. Molecules and Cells, 2020, 43, 397-407.	2.6	5

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37	Genomic Landscape of Young-Onset Bladder Cancer and Its Prognostic Implications on Adult Bladder Cancer. Cancers, 2020, 12, 307.	3.7	3
38	STAT3 is a key molecule in the oncogenic behavior of diffuse intrinsic pontine glioma. Oncology Letters, 2020, 20, 1989-1998.	1.8	11
39	Protein Phosphatase 1H, Cyclin-Dependent Kinase Inhibitor p27, and Cyclin-Dependent Kinase 2 in Paclitaxel Resistance for Triple Negative Breast Cancers. Journal of Breast Cancer, 2020, 23, 162.	1.9	5
40	Abstract 1118: Absence of mouse-specific tumor evolution in patient-derived cancer xenografts. , 2020, , .		0
41	Treatment strategy for papillary renal cell carcinoma type 2: a case series of seven patients treated based on next generation sequencing data. Annals of Translational Medicine, 2020, 8, 1389-1389.	1.7	3
42	Identifying Pathogenic Variants of Monogenic Diabetes Using Targeted Panel Sequencing in an East Asian Population. Journal of Clinical Endocrinology and Metabolism, 2019, 104, 4188-4198.	3.6	27
43	Dissecting the phenotypic and genetic spectrum of early childhood-onset generalized epilepsies. Seizure: the Journal of the British Epilepsy Association, 2019, 71, 222-228.	2.0	2
44	A Breakdown in Metabolic Reprogramming Causes Microglia Dysfunction in Alzheimer's Disease. Cell Metabolism, 2019, 30, 493-507.e6.	16.2	374
45	The novel high-frequency variant of TRPV3 p.A628T in East Asians showing faster sensitization in response to chemical agonists. Pflugers Archiv European Journal of Physiology, 2019, 471, 1273-1289.	2.8	2
46	NARD: whole-genome reference panel of 1779 Northeast Asians improves imputation accuracy of rare and low-frequency variants. Genome Medicine, 2019, 11, 64.	8.2	28
47	Priming mobilization of hair follicle stem cells triggers permanent loss of regeneration after alkylating chemotherapy. Nature Communications, 2019, 10, 3694.	12.8	25
48	Diagnostic Yield of Epilepsy Panel Testing in Patients With Seizure Onset Within the First Year of Life. Frontiers in Neurology, 2019, 10, 988.	2.4	26
49	Targeted next-generation DNA sequencing identifies Notch signaling pathway mutation as a predictor of radiation response. International Journal of Radiation Biology, 2019, 95, 1640-1647.	1.8	2
50	Genetic variations associated with response to dutasteride in the treatment of male subjects with androgenetic alopecia. PLoS ONE, 2019, 14, e0222533.	2.5	4
51	Unstable Genome and Transcriptome Dynamics during Tumor Metastasis Contribute to Therapeutic Heterogeneity in Colorectal Cancers. Clinical Cancer Research, 2019, 25, 2821-2834.	7.0	12
52	Integrative analysis of genomic and transcriptomic characteristics associated with progression of aggressive thyroid cancer. Nature Communications, 2019, 10, 2764.	12.8	166
53	Tumor Suppressor miRNA-204-5p Regulates Growth, Metastasis, and Immune Microenvironment Remodeling in Breast Cancer. Cancer Research, 2019, 79, 1520-1534.	0.9	126
54	Comparative genomics of Mycoplasma pneumoniae isolated from children with pneumonia: South Korea, 2010â€“2016. BMC Genomics, 2019, 20, 910.	2.8	7

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55	Identification of African-Specific Admixture between Modern and Archaic Humans. American Journal of Human Genetics, 2019, 105, 1254-1261.	6.2	16
56	Interactions of CDH13 gene polymorphisms and ambient PM10 air pollution exposure with blood pressure and hypertension in Korean men. Chemosphere, 2019, 218, 292-298.	8.2	17
57	A familial case of limb-girdle muscular dystrophy with CAV3 mutation. Journal of Genetic Medicine, 2019, 16, 67-70.	0.2	1
58	3â€˜Oxoacid CoA transferase 1 as a therapeutic target gene for cisplatin-resistant ovarian cancer. Oncology Letters, 2018, 15, 2611-2618.	1.8	12
59	Alterations in the Rho pathway contribute to Epstein-Barr virusâ€“induced lymphomagenesis in immunosuppressed environments. Blood, 2018, 131, 1931-1941.	1.4	7
60	CYP1A1 gene polymorphisms modify the association between PM10 exposure and lung function. Chemosphere, 2018, 203, 353-359.	8.2	9
61	Collagen Vlâ€related myopathy: Expanding the clinical and genetic spectrum. Muscle and Nerve, 2018, 58, 381-388.	2.2	18
62	MicroRNA Expression Profiles in Gastric Carcinogenesis. Scientific Reports, 2018, 8, 14393.	3.3	65
63	Nonsynonymous Variants in PAX4 and GLP1R Are Associated With Type 2 Diabetes in an East Asian Population. Diabetes, 2018, 67, 1892-1902.	0.6	36
64	Development of a common platform for the noninvasive prenatal diagnosis of Xâ€linked diseases. Prenatal Diagnosis, 2018, 38, 835-840.	2.3	3
65	Genome-Wide Association Study Reveals Distinct Genetic Susceptibility of Thyroid Nodules From Thyroid Cancer. Journal of Clinical Endocrinology and Metabolism, 2018, 103, 4384-4394.	3.6	9
66	Targeted linked-read sequencing for direct haplotype phasing of maternal DMD alleles: a practical and reliable method for noninvasive prenatal diagnosis. Scientific Reports, 2018, 8, 8678.	3.3	29
67	Genomic characterization of clonal evolution during oropharyngeal carcinogenesis driven by human papillomavirus 16. BMB Reports, 2018, 51, 584-589.	2.4	10
68	Editorâ€™s Introduction to This Issue (G&I 16:2, 2018). Genomics and Informatics, 2018, 16, 21-21.	0.8	0
69	FARS2 mutation and epilepsy: Possible link with early-onset epileptic encephalopathy. Epilepsy Research, 2017, 129, 118-124.	1.6	21
70	CDH13 gene-by-PM10 interaction effect on lung function decline in Korean men. Chemosphere, 2017, 168, 583-589.	8.2	10
71	High prevalence of TP53 mutations is associated with poor survival and an EMT signature in gliosarcoma patients. Experimental and Molecular Medicine, 2017, 49, e317-e317.	7.7	37
72	Abdominal adiposity intensifies the negative effects of ambient air pollution on lung function in Korean men. International Journal of Obesity, 2017, 41, 1218-1223.	3.4	16

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73	A Novel Combination Treatment Targeting BCL-XL and MCL1 for KRAS/BRAF-mutated and BCL2L1-amplified Colorectal Cancers. Molecular Cancer Therapeutics, 2017, 16, 2178-2190.	4.1	17
74	Transcriptome analyses of chronic traumatic encephalopathy show alterations in protein phosphatase expression associated with tauopathy. Experimental and Molecular Medicine, 2017, 49, e333-e333.	7.7	41
75	Glutaminase 2 expression is associated with regional heterogeneity of 5-aminolevulinic acid fluorescence in glioblastoma. Scientific Reports, 2017, 7, 12221.	3.3	23
76	Findings of a 1303 Korean whole-exome sequencing study. Experimental and Molecular Medicine, 2017, 49, e356-e356.	7.7	34
77	Genome-wide association and expression quantitative trait loci studies identify multiple susceptibility loci for thyroid cancer. Nature Communications, 2017, 8, 15966.	12.8	64
78	Markers of disease and steroid responsiveness in paediatric idiopathic nephrotic syndrome: Whole-transcriptome sequencing of peripheral blood mononuclear cells. Journal of International Medical Research, 2017, 45, 948-963.	1.0	20
79	A copy number variation in PKD1L2 is associated with colorectal cancer predisposition in korean population. International Journal of Cancer, 2017, 140, 86-94.	5.1	11
80	Altered nucleocytoplasmic proteome and transcriptome distributions in an in vitro model of amyotrophic lateral sclerosis. PLoS ONE, 2017, 12, e0176462.	2.5	24
81	Analysis of Gene Expression in Human Dermal Fibroblasts Treated with Senescence-Modulating COX Inhibitors. Genomics and Informatics, 2017, 15, 56.	0.8	1
82	Isolation of Middle East Respiratory Syndrome Coronavirus from a Patient of the 2015 Korean Outbreak. Journal of Korean Medical Science, 2016, 31, 315.	2.5	18
83	Estimation of Prognostic Marker Genes by Public Microarray Data in Patients with Ovarian Serous Cystadenocarcinoma. Yonsei Medical Journal, 2016, 57, 872.	2.2	0
84	Viral Load Kinetics of MERS Coronavirus Infection. New England Journal of Medicine, 2016, 375, 1303-1305.	27.0	186
85	Dysregulated Wnt signalling and recurrent mutations of the tumour suppressor <scp>RNF43</scp> in early gastric carcinogenesis. Journal of Pathology, 2016, 240, 304-314.	4.5	44
86	Clinical whole exome sequencing in early onset diabetes patients. Diabetes Research and Clinical Practice, 2016, 122, 71-77.	2.8	31
87	Integrated analysis of omics data using microRNA-target mRNA network and PPI network reveals regulation of Gnai1 function in the spinal cord of Ews/Ewsr1 KO mice. BMC Medical Genomics, 2016, 9, 33.	1.5	4
88	Deep resequencing of 131 Crohn's disease associated genes in pooled DNA confirmed three reported variants and identified eight novel variants. Gut, 2016, 65, 788-796.	12.1	62
89	Clinical application of genomic profiling to find druggable targets for adolescent and young adult (AYA) cancer patients with metastasis. BMC Cancer, 2016, 16, 170.	2.6	30
90	Comprehensive Analysis of the Transcriptional and Mutational Landscape of Follicular and Papillary Thyroid Cancers. PLoS Genetics, 2016, 12, e1006239.	3.5	265

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91	xCyp26cInduced by Inhibition of BMP Signaling Is Involved in Anterior-Posterior Neural Patterning of Xenopus laevis. Molecules and Cells, 2016, 39, 352-357.	2.6	7
92	Whole-exome and transcriptome sequencing of refractory diffuse large B-cell lymphoma. Oncotarget, 2016, 7, 86433-86445.	1.8	43
93	NTRK1 fusions for the therapeutic intervention of Korean patients with colon cancer. Oncotarget, 2016, 7, 8399-8412.	1.8	24
94	Draft Genome of Toxocara canis, a Pathogen Responsible for Visceral Larva Migrans. Korean Journal of Parasitology, 2016, 54, 751-758.	1.3	5
95	Somatic deletions implicated in functional diversity of brain cells of individuals with schizophrenia and unaffected controls. Scientific Reports, 2015, 4, 3807.	3.3	25
96	Genetic association of APOA5 and APOE with metabolic syndrome and their interaction with health-related behavior in Korean men. Lipids in Health and Disease, 2015, 14, 105.	3.0	25
97	Association between salivary amylase (<scp>AMY</scp>1) gene copyÂnumbers and insulin resistance in asymptomatic Korean men. Diabetic Medicine, 2015, 32, 1588-1595.	2.3	44
98	I148<scp>M</scp> variant in <scp>PNPLA</scp>3 reduces central adiposity and metabolic disease risks while increasing nonalcoholic fatty liver disease. Liver International, 2015, 35, 2537-2546.	3.9	27
99	Recurrent fusion transcripts detected by wholeâ€transcriptome sequencing of 120 primary breast cancer samples. Genes Chromosomes and Cancer, 2015, 54, 681-691.	2.8	38
100	A Common Variant of NGEF Is Associated with Abdominal Visceral Fat in Korean Men. PLoS ONE, 2015, 10, e0137564.	2.5	12
101	Genetic alterations of JAK/STAT cascade and histone modification in extranodal NK/T-cell lymphoma nasal type. Oncotarget, 2015, 6, 17764-17776.	1.8	136
102	Genomic Copy Number Variations Characterize the Prognosis of Both P16-Positive and P16-Negative Oropharyngeal Squamous Cell Carcinoma After Curative Resection. Medicine (United States), 2015, 94, e2187.	1.0	14
103	Digenome-seq: genome-wide profiling of CRISPR-Cas9 off-target effects in human cells. Nature Methods, 2015, 12, 237-243.	19.0	850
104	Colorectal cancerâ€susceptibility singleâ€nucleotide polymorphisms in <scp>K</scp>orean population. Journal of Gastroenterology and Hepatology (Australia), 2015, 30, 849-857.	2.8	13
105	Noninvasive Prenatal Diagnosis of Duchenne Muscular Dystrophy: Comprehensive Genetic Diagnosis in Carrier, Proband, and Fetus. Clinical Chemistry, 2015, 61, 829-837.	3.2	42
106	Genomic alterations in BCL2L1 and DLC1 contribute to drug sensitivity in gastric cancer. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 12492-12497.	7.1	46
107	The full-length DNA sequence of Epstein Barr virus from a human gastric carcinoma cell line, SNU-719. Virus Genes, 2015, 51, 329-337.	1.6	10
108	Deregulation of Immune Response Genes in Patients With Epstein-Barr Virus-Associated Gastric Cancer and Outcomes. Gastroenterology, 2015, 148, 137-147.e9.	1.3	127

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109	Family-Based Association Study of Pulmonary Function in a Population in Northeast Asia. PLoS ONE, 2015, 10, e0139716.	2.5	13
110	Association of HLA Genotype and Fulminant Type 1 Diabetes in Koreans. Genomics and Informatics, 2015, 13, 126.	0.8	14
111	The First Kazakh Whole Genomes: The First Report of NGS Data. Central Asian Journal of Global Health, 2014, 3, 146.	0.6	1
112	RNA editing in RHOQ promotes invasion potential in colorectal cancer. Journal of Experimental Medicine, 2014, 211, 613-621.	8.5	97
113	Genome-wide characterization of the routes to pluripotency. Nature, 2014, 516, 198-206.	27.8	187
114	RANBP2-ALK fusion combined with monosomy 7 in acute myelomonocytic leukemia. Cancer Genetics, 2014, 207, 40-45.	0.4	21
115	A multifunctional protein EWS regulates the expression of Drosha and microRNAs. Cell Death and Differentiation, 2014, 21, 136-145.	11.2	34
116	Novel fusion transcripts in human gastric cancer revealed by transcriptome analysis. Oncogene, 2014, 33, 5434-5441.	5.9	74
117	Hoyeraalâ€“Hreidarsson syndrome with a DKC1 mutation identified by whole-exome sequencing. Gene, 2014, 546, 425-429.	2.2	12
118	A role of placental growth factor in hair growth. Journal of Dermatological Science, 2014, 74, 125-134.	1.9	29
119	Targeted Next-Generation Sequencing at Copy-Number Breakpoints for Personalized Analysis of Rearranged Ends in Solid Tumors. PLoS ONE, 2014, 9, e100089.	2.5	4
120	Analysis of Gene Expression in Cyclooxygenase-2-Overexpressed Human Osteosarcoma Cell Lines. Genomics and Informatics, 2014, 12, 247.	0.8	22
121	RNA Editing in RHOQ Promotes Invasion Potential in Colorectal Cancer. Journal of Cell Biology, 2014, 204, 2047OIA60.	5.2	1
122	Epigenetic regulation of cholinergic receptor M1 (CHRM1) by histone H3K9me3 impairs Ca2+ signaling in Huntingtonâ€™s disease. Acta Neuropathologica, 2013, 125, 727-739.	7.7	48
123	Combined linkage and association analyses identify a novel locus for obesity near PROX1 in Asians. Obesity, 2013, 21, 2405-2412.	3.0	21
124	Molecular diagnosis of congenital muscular dystrophies with defective glycosylation of alpha-dystroglycan using next-generation sequencing technology. Neuromuscular Disorders, 2013, 23, 337-344.	0.6	13
125	TIARA genome database: update 2013. Database: the Journal of Biological Databases and Curation, 2013, 2013, bat003-bat003.	3.0	6
126	Targeted resequencing of candidate genes reveals novel variants associated with severe BehÃ§etâ€™s uveitis. Experimental and Molecular Medicine, 2013, 45, e49-e49.	7.7	18

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127	Gene expression profiling by mRNA sequencing reveals increased expression of immune/inflammation-related genes in the hippocampus of individuals with schizophrenia. Translational Psychiatry, 2013, 3, e321-e321.	4.8	162
128	A family-based association study after genome-wide linkage analysis identified two genetic loci for renal function in a Mongolian population. Kidney International, 2013, 83, 285-292.	5.2	13
129	Targeted Sequencing of Cancer-Related Genes in Colorectal Cancer Using Next-Generation Sequencing. PLoS ONE, 2013, 8, e64271.	2.5	71
130	Exomic Sequencing of Immune-Related Genes Reveals Novel Candidate Variants Associated with Alopecia Universalis. PLoS ONE, 2013, 8, e53613.	2.5	18
131	Heritabilities of Facial Measurements and Their Latent Factors in Korean Families. Genomics and Informatics, 2013, 11, 83.	0.8	24
132	RNA-Seq Analysis of Frontal Cortex and Cerebellum from 5XFAD Mice at Early Stage of Disease Pathology. Journal of Alzheimer's Disease, 2012, 29, 793-808.	2.6	43
133	A public resource facilitating clinical use of genomes. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 11920-11927.	7.1	194
134	Gene mapping study for constitutive skin color in an isolated Mongolian population. Experimental and Molecular Medicine, 2012, 44, 241.	7.7	8
135	Comprehensive genomic analyses associateUGT8variants with musical ability in a Mongolian population. Journal of Medical Genetics, 2012, 49, 747-752.	3.2	48
136	FX: an RNA-Seq analysis tool on the cloud. Bioinformatics, 2012, 28, 721-723.	4.1	66
137	The transcriptional landscape and mutational profile of lung adenocarcinoma. Genome Research, 2012, 22, 2109-2119.	5.5	524
138	Epidemiologic Characteristics of Intraocular Pressure in the Korean and Mongolian Populations: The Healthy Twin and the GENDISCAN Study. Ophthalmology, 2012, 119, 450-457.	5.2	37
139	A transforming KIF5B and RET gene fusion in lung adenocarcinoma revealed from whole-genome and transcriptome sequencing. Genome Research, 2012, 22, 436-445.	5.5	433
140	Copy Number Variation of Age-Related Macular Degeneration Relevant Genes in the Korean Population. PLoS ONE, 2012, 7, e31243.	2.5	10
141	Genetic diagnosis of Duchenne and Becker muscular dystrophy using next-generation sequencing technology: comprehensive mutational search in a single platform. Journal of Medical Genetics, 2011, 48, 731-736.	3.2	80
142	Extensive genomic and transcriptional diversity identified through massively parallel DNA and RNA sequencing of eighteen Korean individuals. Nature Genetics, 2011, 43, 745-752.	21.4	121
143	Upregulation of neuronal nitric oxide synthase in the periphery promotes pain hypersensitivity after peripheral nerve injury. Neuroscience, 2011, 190, 367-378.	2.3	29
144	xCITED2 Induces Neural Genes in Animal Cap Explants of Xenopus Embryos. Experimental Neurobiology, 2011, 20, 123-129.	1.6	2

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145	The Function of Heterodimeric AP-1 Comprised of c-Jun and c-Fos in Activin Mediated Spemann Organizer Gene Expression. PLoS ONE, 2011, 6, e21796.	2.5	8
146	Whole-Exome Sequencing Identifies Mutations of KIF22 in Spondyloepimetaphyseal Dysplasia with Joint Laxity, Leptodactylic Type. American Journal of Human Genetics, 2011, 89, 760-766.	6.2	46
147	TIARA: a database for accurate analysis of multiple personal genomes based on cross-technology. Nucleic Acids Research, 2011, 39, D883-D888.	14.5	15
148	Linkage and association scan for tanning ability in an isolated Mongolian population. BMB Reports, 2011, 44, 741-746.	2.4	8
149	Discovery of common Asian copy number variants using integrated high-resolution array CGH and massively parallel DNA sequencing. Nature Genetics, 2010, 42, 400-405.	21.4	179
150	Reference-unbiased copy number variant analysis using CGH microarrays. Nucleic Acids Research, 2010, 38, e190-e190.	14.5	22
151	Replication of a Glaucoma Candidate Gene on 5q22.1 for Intraocular Pressure in Mongolian Populations: The GENDISCAN Project. , 2010, 51, 1335.		20
152	Genome-wide linkage analysis for ocular and nasal anthropometric traits in a Mongolian population. Experimental and Molecular Medicine, 2010, 42, 799.	7.7	6
153	The first Irish genome and ways of improving sequence accuracy. Genome Biology, 2010, 11, 132.	9.6	4
154	Analysis of genetic and non-genetic factors that affect the QTc interval in a Mongolian population: the GENDISCAN study. Experimental and Molecular Medicine, 2009, 41, 841.	7.7	10
155	Higher mitochondrial DNA copy number is associated with lower prevalence of microalbuminuria. Experimental and Molecular Medicine, 2009, 41, 253.	7.7	33
156	SIRT1 regulates tyrosine hydroxylase expression and differentiation of neuroblastoma cells via FOXO3a. FEBS Letters, 2009, 583, 1183-1188.	2.8	55
157	A highly annotated whole-genome sequence of a Korean individual. Nature, 2009, 460, 1011-1015.	27.8	295
158	Detection of hydin Gene Duplication in Personal Genome Sequence Data. Genomics and Informatics, 2009, 7, 159-162.	0.8	2
159	The Fine-Scale and Complex Architecture of Human Copy-Number Variation. American Journal of Human Genetics, 2008, 82, 685-695.	6.2	315
160	A genome-wide Asian genetic map and ethnic comparison: The GENDISCAN study. BMC Genomics, 2008, 9, 554.	2.8	25
161	Genome-wide combination profiling of copy number and methylation offers an approach for deciphering misregulation and development in cancer cells. Gene, 2008, 407, 139-147.	2.2	7
162	Heritability and linkage study on heart rates in a Mongolian population. Experimental and Molecular Medicine, 2008, 40, 558.	7.7	7

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163	Neuronal loss in primary long-term cortical culture involves neurodegeneration-like cell death via calpain and p35 processing, but not developmental apoptosis or aging. Experimental and Molecular Medicine, 2007, 39, 14-26.	7.7	33
164	Cyclooxygenase-2 promotes cell proliferation, migration and invasion in U2OS human osteosarcoma cells. Experimental and Molecular Medicine, 2007, 39, 469-476.	7.7	66
165	Hypoxia-induced cell death of HepG2 cells involves a necrotic cell death mediated by calpain. Apoptosis: an International Journal on Programmed Cell Death, 2007, 12, 707-718.	4.9	12
166	Transforming growth factor-Î²1 regulates macrophage migration via RhoA. Blood, 2006, 108, 1821-1829.	1.4	124
167	HSP90 protects apoptotic cleavage of vimentin in geldanamycin-induced apoptosis. Molecular and Cellular Biochemistry, 2006, 281, 111-121.	3.1	31
168	p21WAF/CIP1/SDI1 is upregulated due to increased mRNA stability during hydroxyurea-induced senescence of human fibroblasts. Mechanisms of Ageing and Development, 2005, 126, 1255-1261.	4.6	16
169	Downstream components of RhoA required for signal pathway of superoxide formation during phagocytosis of serum opsonized zymosans in macrophages. Experimental and Molecular Medicine, 2005, 37, 575-587.	7.7	32
170	COX-2 inhibits anoikis by activation of the PI-3K/Akt pathway in human bladder cancer cells. Experimental and Molecular Medicine, 2005, 37, 199-203.	7.7	27
171	COX-2 regulates p53 activity and inhibits DNA damage-induced apoptosis. Biochemical and Biophysical Research Communications, 2005, 328, 1107-1112.	2.1	51
172	Rho Is Involved in Superoxide Formation during Phagocytosis of Opsonized Zymosans. Journal of Biological Chemistry, 2004, 279, 21589-21597.	3.4	35
173	Transcriptional regulation of Zic3 by heterodimeric AP-1(c-Jun/c-Fos) during Xenopus development. Experimental and Molecular Medicine, 2004, 36, 468-475.	7.7	23
174	The opsonin MFG-E8 is a ligand for the Î±vÎ²5 integrin and triggers DOCK180-dependent Rac1 activation for the phagocytosis of apoptotic cells. Experimental Cell Research, 2004, 292, 403-416.	2.6	193
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