

Jong-Il Kim

List of Publications by Year in Descending Order

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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.

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|--------------------|-------------------------|---------------|----------------|
| 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 | 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.. <i>Genomics and Informatics</i> , 2022 , 20, e2 | 1.9 | |
| 180 | Cross-Talk between Wnt Signaling and Src Tyrosine Kinase. <i>Biomedicines</i> , 2022 , 10, 1112 | 4.8 | 2 |
| 179 | Expression-based species deconvolution and realignment removes misalignment error in multispecies single-cell data.. <i>BMC Bioinformatics</i> , 2022 , 23, 157 | 3.6 | |
| 178 | JAK2 regulates paclitaxel resistance in triple negative breast cancers. <i>Journal of Molecular Medicine</i> , 2021 , 99, 1783-1795 | 5.5 | 2 |
| 177 | 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 |
| 176 | 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 |
| 175 | Engineered prime editors with PAM flexibility. <i>Molecular Therapy</i> , 2021 , 29, 2001-2007 | 11.7 | 20 |
| 174 | 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 |
| 173 | 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 |
| 172 | Ablation of STAT3 in Purkinje cells reorganizes cerebellar synaptic plasticity in long-term fear memory network. <i>ELife</i> , 2021 , 10, | 8.9 | 8 |
| 171 | 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 |
| 170 | Genomic profile of metastatic breast cancer patient-derived xenografts established using percutaneous biopsy. <i>Journal of Translational Medicine</i> , 2021 , 19, 7 | 8.5 | |
| 169 | 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 |
| 168 | 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 |
| 167 | Glucose metabolic profiles evaluated by PET associated with molecular characteristic landscape of gastric cancer. <i>Gastric Cancer</i> , 2021 , 1 | 7.6 | 1 |
| 166 | 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 |
| 165 | Vertical sleeve gastrectomy induces distinctive transcriptomic responses in liver, fat and muscle. <i>Scientific Reports</i> , 2021 , 11, 2310 | 4.9 | 1 |

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| 164 | 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 |
| 163 | Predominant Pathogenic Variants in Pediatric Follicular Thyroid Carcinomas. <i>Thyroid</i> , 2020 , 30, 1120-1136 | 10.2 | 10 |
| 162 | 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 |
| 161 | Amplification of transglutaminase 2 enhances tumor-promoting inflammation in gastric cancers. <i>Experimental and Molecular Medicine</i> , 2020 , 52, 854-864 | 12.8 | 8 |
| 160 | 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 |
| 159 | A glioneuronal tumor with fusion. <i>Npj Genomic Medicine</i> , 2020 , 5, 24 | 6.2 | 1 |
| 158 | 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 |
| 157 | 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 |
| 156 | Treatment strategy for papillary renal cell carcinoma type 2: a case series of seven patients treated based on next generation sequencing data. <i>Annals of Translational Medicine</i> , 2020 , 8, 1389-1389 | 3.2 | 0 |
| 155 | DNAJB9 Inhibits p53-Dependent Oncogene-Induced Senescence and Induces Cell Transformation. <i>Molecules and Cells</i> , 2020 , 43, 397-407 | 3.5 | 1 |
| 154 | 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 |
| 153 | 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 |
| 152 | Comprehensive Molecular Characterization of Adenocarcinoma of the Gastroesophageal Junction Between Esophageal and Gastric Adenocarcinomas. <i>Annals of Surgery</i> , 2020 , | 7.8 | 9 |
| 151 | A genome-wide by PM interaction study identifies novel loci for lung function near BICD1 and IL1RN-IL1F10 genes in Korean adults. <i>Chemosphere</i> , 2020 , 245, 125581 | 8.4 | 0 |
| 150 | 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 |
| 149 | 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 |
| 148 | A population-specific low-frequency variant of SLC22A12 (p.W258*) explains nearby genome-wide association signals for serum uric acid concentrations among Koreans. <i>PLoS ONE</i> , 2020 , 15, e0231336 | 3.7 | 0 |
| 147 | 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 |

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| 146 | 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 |
| 145 | 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 |
| 144 | Targeted next-generation DNA sequencing identifies Notch signaling pathway mutation as a predictor of radiation response. <i>International Journal of Radiation Biology</i> , 2019 , 95, 1640-1647 | 2.9 | 0 |
| 143 | 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 |
| 142 | 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 |
| 141 | Integrative analysis of genomic and transcriptomic characteristics associated with progression of aggressive thyroid cancer. <i>Nature Communications</i> , 2019 , 10, 2764 | 17.4 | 80 |
| 140 | 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 |
| 139 | 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 |
| 138 | Dissecting the phenotypic and genetic spectrum of early childhood-onset generalized epilepsies. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2019 , 71, 222-228 | 3.2 | 1 |
| 137 | A Breakdown in Metabolic Reprogramming Causes Microglia Dysfunction in Alzheimer's Disease. <i>Cell Metabolism</i> , 2019 , 30, 493-507.e6 | 24.6 | 170 |
| 136 | The novel high-frequency variant of TRPV3 p.A628T in East Asians showing faster sensitization in response to chemical agonists. <i>Pflügers Archiv European Journal of Physiology</i> , 2019 , 471, 1273-1289 | 4.6 | 2 |
| 135 | A familial case of limb-girdle muscular dystrophy with CAV3 mutation. <i>Journal of Genetic Medicine</i> , 2019 , 16, 67-70 | 0.2 | 0 |
| 134 | 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 |
| 133 | Identification of African-Specific Admixture between Modern and Archaic Humans. <i>American Journal of Human Genetics</i> , 2019 , 105, 1254-1261 | 11 | 9 |
| 132 | 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 |
| 131 | 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 |
| 130 | CYP1A1 gene polymorphisms modify the association between PM exposure and lung function. <i>Chemosphere</i> , 2018 , 203, 353-359 | 8.4 | 4 |
| 129 | Collagen VI-related myopathy: Expanding the clinical and genetic spectrum. <i>Muscle and Nerve</i> , 2018 , 58, 381-388 | 3.4 | 10 |

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| 128 | Development of a common platform for the noninvasive prenatal diagnosis of X-linked diseases. <i>Prenatal Diagnosis</i> , 2018 , 38, 835-840 | 3.2 | 0 |
| 127 | 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 |
| 126 | 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 |
| 125 | 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 |
| 124 | EditorQ Introduction to This Issue (G&I 16:1, 2018). <i>Genomics and Informatics</i> , 2018 , 16, 1 | 1.9 | 1 |
| 123 | Genomic characterization of clonal evolution during oropharyngeal carcinogenesis driven by human papillomavirus 16. <i>BMB Reports</i> , 2018 , 51, 584-589 | 5.5 | 4 |
| 122 | EditorQ Introduction to This Issue (G&I 16:2, 2018). <i>Genomics and Informatics</i> , 2018 , 16, 21 | 1.9 | |
| 121 | MicroRNA Expression Profiles in Gastric Carcinogenesis. <i>Scientific Reports</i> , 2018 , 8, 14393 | 4.9 | 46 |
| 120 | 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 |
| 119 | FARS2 mutation and epilepsy: Possible link with early-onset epileptic encephalopathy. <i>Epilepsy Research</i> , 2017 , 129, 118-124 | 3 | 15 |
| 118 | CDH13 gene-by-PM interaction effect on lung function decline in Korean men. <i>Chemosphere</i> , 2017 , 168, 583-589 | 8.4 | 9 |
| 117 | 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 |
| 116 | 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 |
| 115 | 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 |
| 114 | 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 |
| 113 | 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 |
| 112 | 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 |
| 111 | Findings of a 1303 Korean whole-exome sequencing study. <i>Experimental and Molecular Medicine</i> , 2017 , 49, e356 | 12.8 | 23 |

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| 110 | 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 |
| 109 | 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 |
| 108 | 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 |
| 107 | Analysis of Gene Expression in Human Dermal Fibroblasts Treated with Senescence-Modulating COX Inhibitors. <i>Genomics and Informatics</i> , 2017 , 15, 56-64 | 1.9 | 1 |
| 106 | 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 |
| 105 | Clinical whole exome sequencing in early onset diabetes patients. <i>Diabetes Research and Clinical Practice</i> , 2016 , 122, 71-77 | 7.4 | 23 |
| 104 | Integrated analysis of omics data using microRNA-target mRNA network and PPI network reveals regulation of Gna11 function in the spinal cord of Ews/Ewsr1 KO mice. <i>BMC Medical Genomics</i> , 2016 , 9 Suppl 1, 33 | 3.7 | 1 |
| 103 | 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 |
| 102 | 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 |
| 101 | Comprehensive Analysis of the Transcriptional and Mutational Landscape of Follicular and Papillary Thyroid Cancers. <i>PLoS Genetics</i> , 2016 , 12, e1006239 | 6 | 178 |
| 100 | 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 |
| 99 | Whole-exome and transcriptome sequencing of refractory diffuse large B-cell lymphoma. <i>Oncotarget</i> , 2016 , 7, 86433-86445 | 3.3 | 31 |
| 98 | NTRK1 fusions for the therapeutic intervention of Korean patients with colon cancer. <i>Oncotarget</i> , 2016 , 7, 8399-412 | 3.3 | 16 |
| 97 | Draft Genome of <i>Leishmania</i> , a Pathogen Responsible for Visceral Leishmaniasis. <i>Korean Journal of Parasitology</i> , 2016 , 54, 751-758 | 1.7 | 3 |
| 96 | 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 |
| 95 | Estimation of Prognostic Marker Genes by Public Microarray Data in Patients with Ovarian Serous Cystadenocarcinoma. <i>Yonsei Medical Journal</i> , 2016 , 57, 872-8 | 3 | |
| 94 | Viral Load Kinetics of MERS Coronavirus Infection. <i>New England Journal of Medicine</i> , 2016 , 375, 1303-5 | 59.2 | 155 |
| 93 | 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 |

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| 92 | 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 |
| 91 | 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 |
| 90 | 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 |
| 89 | 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 |
| 88 | 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 |
| 87 | 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 |
| 86 | 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 |
| 85 | A Common Variant of NGEF Is Associated with Abdominal Visceral Fat in Korean Men. <i>PLoS ONE</i> , 2015 , 10, e0137564 | 3.7 | 11 |
| 84 | 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 |
| 83 | 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 |
| 82 | 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 |
| 81 | Colorectal cancer-susceptibility single-nucleotide polymorphisms in Korean population. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2015 , 30, 849-57 | 4 | 12 |
| 80 | Family-Based Association Study of Pulmonary Function in a Population in Northeast Asia. <i>PLoS ONE</i> , 2015 , 10, e0139716 | 3.7 | 6 |
| 79 | Association of HLA Genotype and Fulminant Type 1 Diabetes in Koreans. <i>Genomics and Informatics</i> , 2015 , 13, 126-31 | 1.9 | 9 |
| 78 | A multifunctional protein EWS regulates the expression of Drosha and microRNAs. <i>Cell Death and Differentiation</i> , 2014 , 21, 136-45 | 12.7 | 28 |
| 77 | Novel fusion transcripts in human gastric cancer revealed by transcriptome analysis. <i>Oncogene</i> , 2014 , 33, 5434-41 | 9.2 | 57 |
| 76 | Hoyeraal-Hreidarsson syndrome with a DKC1 mutation identified by whole-exome sequencing. <i>Gene</i> , 2014 , 546, 425-9 | 3.8 | 9 |
| 75 | A role of placental growth factor in hair growth. <i>Journal of Dermatological Science</i> , 2014 , 74, 125-34 | 4.3 | 23 |

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|----|--|------|-----|
| 74 | 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 |
| 73 | The First Kazakh Whole Genomes: The First Report of NGS Data. <i>Central Asian Journal of Global Health</i> , 2014 , 3, 146 | 0.8 | |
| 72 | RNA editing in RHOQ promotes invasion potential in colorectal cancer. <i>Journal of Experimental Medicine</i> , 2014 , 211, 613-21 | 16.6 | 67 |
| 71 | Genome-wide characterization of the routes to pluripotency. <i>Nature</i> , 2014 , 516, 198-206 | 50.4 | 153 |
| 70 | RANBP2-ALK fusion combined with monosomy 7 in acute myelomonocytic leukemia. <i>Cancer Genetics</i> , 2014 , 207, 40-5 | 2.3 | 15 |
| 69 | 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 |
| 68 | Analysis of gene expression in cyclooxygenase-2-overexpressed human osteosarcoma cell lines. <i>Genomics and Informatics</i> , 2014 , 12, 247-53 | 1.9 | 20 |
| 67 | RNA Editing in RHOQ Promotes Invasion Potential in Colorectal Cancer. <i>Journal of Cell Biology</i> , 2014 , 204, 204701A60 | 7.3 | 1 |
| 66 | 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 |
| 65 | Combined linkage and association analyses identify a novel locus for obesity near PROX1 in Asians. <i>Obesity</i> , 2013 , 21, 2405-12 | 8 | 15 |
| 64 | 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 |
| 63 | TIARA genome database: update 2013. <i>Database: the Journal of Biological Databases and Curation</i> , 2013 , 2013, bat003 | 5 | 5 |
| 62 | Targeted resequencing of candidate genes reveals novel variants associated with severe Behçet's disease. <i>Experimental and Molecular Medicine</i> , 2013 , 45, e49 | 12.8 | 13 |
| 61 | 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 |
| 60 | 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 |
| 59 | Targeted sequencing of cancer-related genes in colorectal cancer using next-generation sequencing. <i>PLoS ONE</i> , 2013 , 8, e64271 | 3.7 | 61 |
| 58 | Exomic sequencing of immune-related genes reveals novel candidate variants associated with alopecia universalis. <i>PLoS ONE</i> , 2013 , 8, e53613 | 3.7 | 12 |
| 57 | Heritabilities of facial measurements and their latent factors in Korean families. <i>Genomics and Informatics</i> , 2013 , 11, 83-92 | 1.9 | 13 |

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|----|---|------|-----|
| 56 | FX: an RNA-Seq analysis tool on the cloud. <i>Bioinformatics</i> , 2012 , 28, 721-3 | 7.2 | 57 |
| 55 | The transcriptional landscape and mutational profile of lung adenocarcinoma. <i>Genome Research</i> , 2012 , 22, 2109-19 | 9.7 | 435 |
| 54 | 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 |
| 53 | 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 |
| 52 | Copy number variation of age-related macular degeneration relevant genes in the Korean population. <i>PLoS ONE</i> , 2012 , 7, e31243 | 3.7 | 10 |
| 51 | 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 |
| 50 | 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 |
| 49 | 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 |
| 48 | 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 |
| 47 | 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 |
| 46 | 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 |
| 45 | xCITED2 Induces Neural Genes in Animal Cap Explants of Xenopus Embryos. <i>Experimental Neurobiology</i> , 2011 , 20, 123-9 | 4 | 2 |
| 44 | 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 |
| 43 | 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 |
| 42 | 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 |
| 41 | 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 |
| 40 | Linkage and association scan for tanning ability in an isolated Mongolian population. <i>BMB Reports</i> , 2011 , 44, 741-6 | 5.5 | 7 |
| 39 | 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 |

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|----|---|------|-----|
| 38 | Reference-unbiased copy number variant analysis using CGH microarrays. <i>Nucleic Acids Research</i> , 2010 , 38, e190 | 20.1 | 20 |
| 37 | Replication of a glaucoma candidate gene on 5q22.1 for intraocular pressure in mongolian populations: the GENDISCAN Project 2010 , 51, 1335-40 | | 15 |
| 36 | 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 |
| 35 | The first Irish genome and ways of improving sequence accuracy. <i>Genome Biology</i> , 2010 , 11, 132 | 18.3 | 4 |
| 34 | 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 |
| 33 | 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 |
| 32 | SIRT1 regulates tyrosine hydroxylase expression and differentiation of neuroblastoma cells via FOXO3a. <i>FEBS Letters</i> , 2009 , 583, 1183-8 | 3.8 | 47 |
| 31 | A highly annotated whole-genome sequence of a Korean individual. <i>Nature</i> , 2009 , 460, 1011-5 | 50.4 | 265 |
| 30 | Detection of hydin Gene Duplication in Personal Genome Sequence Data. <i>Genomics and Informatics</i> , 2009 , 7, 159-162 | 1.9 | 2 |
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