

# Jeong-Sun Seo

## List of Publications by Year in descending order

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151  
papers

10,476  
citations

50170

46  
h-index

38300

95  
g-index

155  
all docs

155  
docs citations

155  
times ranked

18771  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Sequencing of 53,831 diverse genomes from the NHLBI TOPMed Program. <i>Nature</i> , 2021, 590, 290-299.   | 13.7 | 1,069     |
| 2  | The transcriptional landscape and mutational profile of lung adenocarcinoma. <i>Genome Research</i> , 2012, 22, 2109-2119.  | 2.4  | 524       |
| 3  | Birth of parthenogenetic mice that can develop to adulthood. <i>Nature</i> , 2004, 428, 860-864.  | 13.7 | 477       |
| 4  | A transforming <i>KIF5B</i> and <i>RET</i> gene fusion in lung adenocarcinoma revealed from whole-genome and transcriptome sequencing. <i>Genome Research</i> , 2012, 22, 436-445.    | 2.4  | 433       |
| 5  | The genome sequence of <i>Xanthomonas oryzae pathovar oryzae</i> KACC10331, the bacterial blight pathogen of rice. <i>Nucleic Acids Research</i> , 2005, 33, 577-586.                 | 6.5  | 431       |
| 6  | 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, 25665-25671.    | 1.6  | 410       |
| 7  | The Fine-Scale and Complex Architecture of Human Copy-Number Variation. <i>American Journal of Human Genetics</i> , 2008, 82, 685-695.  | 2.6  | 315       |
| 8  | De novo assembly and phasing of a Korean human genome. <i>Nature</i> , 2016, 538, 243-247.  | 13.7 | 310       |
| 9  | A highly annotated whole-genome sequence of a Korean individual. <i>Nature</i> , 2009, 460, 1011-1015.  | 13.7 | 295       |
| 10 | Comprehensive Analysis of the Transcriptional and Mutational Landscape of Follicular and Papillary Thyroid Cancers. <i>PLoS Genetics</i> , 2016, 12, e1006239.                        | 1.5  | 265       |
| 11 | The genome sequence of the ethanologenic bacterium <i>Zymomonas mobilis</i> ZM4. <i>Nature Biotechnology</i> , 2005, 23, 63-68.   | 9.4  | 260       |
| 12 | Population-specific and trans-ancestry genome-wide analyses identify distinct and shared genetic risk loci for coronary artery disease. <i>Nature Genetics</i> , 2020, 52, 1169-1177. | 9.4  | 206       |
| 13 | Up-regulation of Caveolin Attenuates Epidermal Growth Factor Signaling in Senescent Cells. <i>Journal of Biological Chemistry</i> , 2000, 275, 20847-20852.                           | 1.6  | 201       |
| 14 | 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, 11920-11927.              | 3.3  | 194       |
| 15 | Genome-wide characterization of the routes to pluripotency. <i>Nature</i> , 2014, 516, 198-206.   | 13.7 | 187       |
| 16 | Discovery of common Asian copy number variants using integrated high-resolution array CGH and massively parallel DNA sequencing. <i>Nature Genetics</i> , 2010, 42, 400-405.          | 9.4  | 179       |
| 17 | Virus Isolation from the First Patient with SARS-CoV-2 in Korea. <i>Journal of Korean Medical Science</i> , 2020, 35, e84.  | 1.1  | 175       |
| 18 | Integrative analysis of genomic and transcriptomic characteristics associated with progression of aggressive thyroid cancer. <i>Nature Communications</i> , 2019, 10, 2764.           | 5.8  | 166       |

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|----|--|------|-----------|
| 19 | Heat Shock Protein Hsp72 Is a Negative Regulator of Apoptosis Signal-Regulating Kinase 1. <i>Molecular and Cellular Biology</i> , 2002, 22, 7721-7730.   | 1.1  | 154       |
| 20 | Severe reactive astrocytes precipitate pathological hallmarks of Alzheimer's disease via H <sub>2</sub> O <sub>2</sub> production. <i>Nature Neuroscience</i> , 2020, 23, 1555-1566.   | 7.1  | 154       |
| 21 | Prognostic effects of <i>TERT</i> promoter mutations are enhanced by coexistence with <i>BRAF</i> or <i>RAS</i> mutations and strengthen the risk prediction by the ATA or TNM staging system in differentiated thyroid cancer patients. <i>Cancer</i> , 2016, 122, 1370-1379. | 2.0  | 147       |
| 22 | Divergent reprogramming routes lead to alternative stem-cell states. <i>Nature</i> , 2014, 516, 192-197.   | 13.7 | 123       |
| 23 | Extensive genomic and transcriptional diversity identified through massively parallel DNA and RNA sequencing of eighteen Korean individuals. <i>Nature Genetics</i> , 2011, 43, 745-752.   | 9.4  | 121       |
| 24 | Activation of Histone Deacetylase 2 by Inducible Heat Shock Protein 70 in Cardiac Hypertrophy. <i>Circulation Research</i> , 2008, 103, 1259-1269.   | 2.0  | 117       |
| 25 | Targeted <i>hsp70.1</i> Disruption Increases Infarction Volume After Focal Cerebral Ischemia in Mice. <i>Stroke</i> , 2001, 32, 2905-2912.   | 1.0  | 110       |
| 26 | An epigenomic roadmap to induced pluripotency reveals DNA methylation as a reprogramming modulator. <i>Nature Communications</i> , 2014, 5, 5619.  | 5.8  | 108       |
| 27 | Identification of radiation-specific responses from gene expression profile. <i>Oncogene</i> , 2002, 21, 8521-8528.  | 2.6  | 107       |
| 28 | Whole Genome and Global Gene Expression Analyses of the Model Mushroom <i>Flammulina velutipes</i> Reveal a High Capacity for Lignocellulose Degradation. <i>PLoS ONE</i> , 2014, 9, e93560.   | 1.1  | 107       |
| 29 | T Cell Lymphoma in Transgenic Mice Expressing the Human Hsp70 Gene. <i>Biochemical and Biophysical Research Communications</i> , 1996, 218, 582-587.   | 1.0  | 103       |
| 30 | HSP70 Deficiency Results in Activation of c-Jun N-terminal Kinase, Extracellular Signal-regulated Kinase, and Caspase-3 in Hyperosmolarity-induced Apoptosis. <i>Journal of Biological Chemistry</i> , 2005, 280, 6634-6641.   | 1.6  | 103       |
| 31 | RNA editing in <i>RHOQ</i> promotes invasion potential in colorectal cancer. <i>Journal of Experimental Medicine</i> , 2014, 211, 613-621.   | 4.2  | 97        |
| 32 | Genome-scale modeling and in silico analysis of ethanologenic bacteria <i>Zymomonas mobilis</i> . <i>Biotechnology and Bioengineering</i> , 2011, 108, 655-665.  | 1.7  | 86        |
| 33 | Targeted disruption of <i>hsp70.1</i> sensitizes to osmotic stress. <i>EMBO Reports</i> , 2002, 3, 857-861.  | 2.0  | 85        |
| 34 | 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, 731-736.   | 1.5  | 80        |
| 35 | Genomic landscape of ovarian clear cell carcinoma via whole exome sequencing. <i>Gynecologic Oncology</i> , 2018, 148, 375-382.  | 0.6  | 75        |
| 36 | Targeted Sequencing of Cancer-Related Genes in Colorectal Cancer Using Next-Generation Sequencing. <i>PLoS ONE</i> , 2013, 8, e64271.  | 1.1  | 71        |

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|----|--|-----|-----------|
| 37 | Genome-wide association and expression quantitative trait loci studies identify multiple susceptibility loci for thyroid cancer. <i>Nature Communications</i> , 2017, 8, 15966.  | 5.8 | 64        |
| 38 | Association of interleukin-6 promoter variant with bone mineral density in pre-menopausal women. <i>Journal of Human Genetics</i> , 2003, 48, 243-248.   | 1.1 | 63        |
| 39 | Iron chelation study in a normal human hepatocyte cell line suggests that tumor necrosis factor receptor-associated protein 1 (TRAP1) regulates production of reactive oxygen species. <i>Journal of Cellular Biochemistry</i> , 2007, 100, 474-486. | 1.2 | 62        |
| 40 | Interaction of BRAF-induced ETS factors with mutant TERT promoter in papillary thyroid cancer. <i>Endocrine-Related Cancer</i> , 2019, 26, 629-641.  | 1.6 | 60        |
| 41 | Draft Genome Sequence of <i>Streptomyces clavuligerus</i> NRRL 3585, a Producer of Diverse Secondary Metabolites. <i>Journal of Bacteriology</i> , 2010, 192, 6317-6318.   | 1.0 | 55        |
| 42 | Comprehensive analysis of the tumor immune micro-environment in non-small cell lung cancer for efficacy of checkpoint inhibitor. <i>Scientific Reports</i> , 2018, 8, 14576.   | 1.6 | 55        |
| 43 | Small RNA changes en route to distinct cellular states of induced pluripotency. <i>Nature Communications</i> , 2014, 5, 5522.  | 5.8 | 54        |
| 44 | Gene Profile of Replicative Senescence Is Different from Progeria or Elderly Donor. <i>Biochemical and Biophysical Research Communications</i> , 2001, 282, 934-939.   | 1.0 | 53        |
| 45 | The Role of Inducible 70-kDa Heat Shock Protein in Cell Cycle Control, Differentiation, and Apoptotic Cell Death of the Human Myeloid Leukemic HL-60 Cells. <i>Cellular Immunology</i> , 1998, 187, 1-12.  | 1.4 | 50        |
| 46 | Comprehensive genomic analyses associate <i>UGT8</i> variants with musical ability in a Mongolian population. <i>Journal of Medical Genetics</i> , 2012, 49, 747-752.  | 1.5 | 48        |
| 47 | Caveolin Internalization by Heat Shock or Hyperosmotic Shock. <i>Experimental Cell Research</i> , 2000, 255, 221-228.  | 1.2 | 47        |
| 48 | FOXO3a Turns the Tumor Necrosis Factor Receptor Signaling Towards Apoptosis Through Reciprocal Regulation of c-Jun N-Terminal Kinase and NF- $\kappa$ B. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2008, 28, 112-120.              | 1.1 | 47        |
| 49 | Whole-Exome Sequencing Identifies Mutations of KIF22 in Spondyloepimetaphyseal Dysplasia with Joint Laxity, Leptodactylic Type. <i>American Journal of Human Genetics</i> , 2011, 89, 760-766.   | 2.6 | 46        |
| 50 | CXCL16 positively correlated with M2-macrophage infiltration, enhanced angiogenesis, and poor prognosis in thyroid cancer. <i>Scientific Reports</i> , 2019, 9, 13288.   | 1.6 | 46        |
| 51 | Searching for pathogenic gene functions to cervical cancer. <i>Gynecologic Oncology</i> , 2004, 93, 41-48.   | 0.6 | 43        |
| 52 | Noninvasive Prenatal Diagnosis of Duchenne Muscular Dystrophy: Comprehensive Genetic Diagnosis in Carrier, Proband, and Fetus. <i>Clinical Chemistry</i> , 2015, 61, 829-837.  | 1.5 | 42        |
| 53 | Tissue response to poly(l-lactic acid)-based blend with phospholipid polymer for biodegradable cardiovascular stents. <i>Biomaterials</i> , 2011, 32, 2241-2247.   | 5.7 | 41        |
| 54 | Transcriptome analyses of chronic traumatic encephalopathy show alterations in protein phosphatase expression associated with tauopathy. <i>Experimental and Molecular Medicine</i> , 2017, 49, e333-e333.   | 3.2 | 41        |

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|----|---|-----|-----------|
| 55 | Gene Expression Profile of Megakaryocytes from Human Cord Blood CD34+Cells Ex Vivo Expanded by Thrombopoietin. <i>Stem Cells</i> , 2002, 20, 402-416.   | 1.4 | 40        |
| 56 | Inhibitory effects of biochanin A on mouse lung tumor induced by benzo(a)pyrene. <i>Journal of Korean Medical Science</i> , 1991, 6, 325.   | 1.1 | 38        |
| 57 | Experimental Oncology Differential expression of TIS21 and TIS1 genes in the various organs of Balb/c mice, thymic carcinoma tissues and human cancer cell lines. <i>Journal of Cancer Research and Clinical Oncology</i> , 1995, 121, 279-284.       | 1.2 | 37        |
| 58 | Impaired repair ability of hsp70.1 KO mouse after UVB irradiation. <i>Journal of Dermatological Science</i> , 2002, 28, 144-151.  | 1.0 | 37        |
| 59 | Transgenic mice overexpressing cyclophilin A are resistant to cyclosporin A-induced nephrotoxicity via peptidyl-prolyl cis $\rightarrow$ trans isomerase activity. <i>Biochemical and Biophysical Research Communications</i> , 2004, 316, 1073-1080. | 1.0 | 37        |
| 60 | Heat shock protein 27 interacts with vimentin and prevents insolubilization of vimentin subunits induced by cadmium. <i>Experimental and Molecular Medicine</i> , 2005, 37, 427-435.  | 3.2 | 33        |
| 61 | Higher mitochondrial DNA copy number is associated with lower prevalence of microalbuminuria. <i>Experimental and Molecular Medicine</i> , 2009, 41, 253.   | 3.2 | 33        |
| 62 | Spontaneous Activation of Pancreas Trypsinogen in Heat Shock Protein 70.1 Knock-out Mice. <i>Pancreas</i> , 2005, 31, 332-336.  | 0.5 | 31        |
| 63 | HSP90 protects apoptotic cleavage of vimentin in geldanamycin-induced apoptosis. <i>Molecular and Cellular Biochemistry</i> , 2006, 281, 111-121.   | 1.4 | 31        |
| 64 | Differential expression of two stress-inducible hsp70 genes by various stressors. <i>Experimental and Molecular Medicine</i> , 2002, 34, 131-136.   | 3.2 | 30        |
| 65 | Molecular responses of Jurkat T-cells to 1763 MHz radiofrequency radiation. <i>International Journal of Radiation Biology</i> , 2008, 84, 734-741.  | 1.0 | 30        |
| 66 | Selection of Neural Differentiation-Specific Genes by Comparing Profiles of Random Differentiation. <i>Stem Cells</i> , 2006, 24, 1946-1955.  | 1.4 | 29        |
| 67 | 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.  | 1.6 | 29        |
| 68 | Effect of Thermal Preconditioning Before Excimer Laser Photoablation. <i>Journal of Korean Medical Science</i> , 2004, 19, 437.   | 1.1 | 28        |
| 69 | Whole Exome and Transcriptome Analyses Integrated with Microenvironmental Immune Signatures of Lung Squamous Cell Carcinoma. <i>Cancer Immunology Research</i> , 2018, 6, 848-859.  | 1.6 | 28        |
| 70 | 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.   | 3.6 | 28        |
| 71 | Expression of Cu/Zn SOD Protein Is Suppressed in hsp 70.1 Knockout Mice. <i>BMB Reports</i> , 2005, 38, 111-114.  | 1.1 | 28        |
| 72 | Identification of senescence-associated genes in human bone marrow mesenchymal stem cells. <i>Biochemical and Biophysical Research Communications</i> , 2008, 371, 431-436.   | 1.0 | 27        |

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|----|--|-----|-----------|
| 73 | Signatures of photo-aging and intrinsic aging in skin were revealed by transcriptome network analysis. <i>Aging</i> , 2018, 10, 1609-1626.   | 1.4 | 27        |
| 74 | Choline acetyltransferase G +4 A polymorphism confers a risk for Alzheimer's disease in concert with Apolipoprotein E $\epsilon$ 4. <i>Neuroscience Letters</i> , 2004, 366, 182-186.                | 1.0 | 26        |
| 75 | Characterization of biological effect of 1763 MHz radiofrequency exposure on auditory hair cells. <i>International Journal of Radiation Biology</i> , 2008, 84, 909-915.                             | 1.0 | 25        |
| 76 | Somatic deletions implicated in functional diversity of brain cells of individuals with schizophrenia and unaffected controls. <i>Scientific Reports</i> , 2015, 4, 3807.                            | 1.6 | 25        |
| 77 | c-Fes tyrosine kinase binds to and activates STAT3 after granulocyte macrophage colony-stimulating factor stimulation. <i>Cancer Letters</i> , 1998, 129, 29-37.                                     | 3.2 | 24        |
| 78 | <i>NTRK1</i> fusions for the therapeutic intervention of Korean patients with colon cancer. <i>Oncotarget</i> , 2016, 7, 8399-8412.  | 0.8 | 24        |
| 79 | Heritabilities of Facial Measurements and Their Latent Factors in Korean Families. <i>Genomics and Informatics</i> , 2013, 11, 83.   | 0.4 | 24        |
| 80 | Positive serological evidence that Hantaan virus, the etiologic agent of hemorrhagic fever with renal syndrome, is endemic in Canada. <i>Canadian Journal of Microbiology</i> , 1984, 30, 1137-1140. | 0.8 | 23        |
| 81 | Transcriptome Network Analysis Reveals Aging-Related Mitochondrial and Proteasomal Dysfunction and Immune Activation in Human Thyroid. <i>Thyroid</i> , 2018, 28, 656-666.                           | 2.4 | 23        |
| 82 | Legacy Data Confound Genomics Studies. <i>Molecular Biology and Evolution</i> , 2020, 37, 2-10.  | 3.5 | 23        |
| 83 | Reference-unbiased copy number variant analysis using CGH microarrays. <i>Nucleic Acids Research</i> , 2010, 38, e190-e190.  | 6.5 | 22        |
| 84 | Overexpression of tumor necrosis factor receptor-associated protein 1 (TRAP1), leads to mitochondrial aberrations in mouse fibroblast NIH/3T3 cells. <i>BMB Reports</i> , 2014, 47, 280-285.         | 1.1 | 21        |
| 85 | Comprehensive Transcriptomic and Genomic Profiling of Subtypes of Follicular Variant of Papillary Thyroid Carcinoma. <i>Thyroid</i> , 2018, 28, 1468-1478.   | 2.4 | 21        |
| 86 | Recent Improvements in Genomic and Transcriptomic Understanding of Anaplastic and Poorly Differentiated Thyroid Cancers. <i>Endocrinology and Metabolism</i> , 2020, 35, 44.                         | 1.3 | 21        |
| 87 | Targeting efficiency of $\alpha$ -1,3-galactosyl transferase gene in pig fetal fibroblast cells. <i>Experimental and Molecular Medicine</i> , 2003, 35, 572-577.                                     | 3.2 | 20        |
| 88 | The tumor immune microenvironmental analysis of 2,033 transcriptomes across 7 cancer types. <i>Scientific Reports</i> , 2020, 10, 9536.  | 1.6 | 20        |
| 89 | cDNA Microarray Analysis of Gene Expression Profiles Associated with Cervical Cancer. <i>Cancer Research and Treatment</i> , 2003, 35, 451-459.  | 1.3 | 19        |
| 90 | Targeted resequencing of candidate genes reveals novel variants associated with severe Behçet's uveitis. <i>Experimental and Molecular Medicine</i> , 2013, 45, e49-e49.                             | 3.2 | 18        |

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|-----|---|-----|-----------|
| 91  | Predictive Efficacy of Low Burden EGFR Mutation Detected by Next-Generation Sequencing on Response to EGFR Tyrosine Kinase Inhibitors in Non-Small-Cell Lung Carcinoma. PLoS ONE, 2013, 8, e81975.                                    | 1.1 | 18        |
| 92  | Exomic Sequencing of Immune-Related Genes Reveals Novel Candidate Variants Associated with Alopecia Universalis. PLoS ONE, 2013, 8, e53613.   | 1.1 | 18        |
| 93  | Subchronic exposure of hsp70.1-deficient mice to radiofrequency radiation. International Journal of Radiation Biology, 2005, 81, 781-792.   | 1.0 | 17        |
| 94  | Coordinated change of a ratio of methylated H3-lysine 4 or acetylated H3 to acetylated H4 and DNA methylation is associated with tissue-specific gene expression in cloned pig. Experimental and Molecular Medicine, 2007, 39, 84-96. | 3.2 | 17        |
| 95  | Novel Oxidative Stress-responsive Gene ERS25 Functions as a Regulator of the Heat-shock and Cell Death Response. Journal of Biological Chemistry, 2008, 283, 13063-13069.   | 1.6 | 17        |
| 96  | Constitutive expression of 4-1BB on T cells enhances CD4+ T cell responses. Experimental and Molecular Medicine, 2003, 35, 509-517.   | 3.2 | 16        |
| 97  | Targeted gene disruption of the heat shock protein 72 gene (hsp70.1) in the donor tissue is associated with a prolonged rejection-free survival in the murine skin allograft model. Transplant Immunology, 2004, 13, 273-281.         | 0.6 | 16        |
| 98  | Identification of African-Specific Admixture between Modern and Archaic Humans. American Journal of Human Genetics, 2019, 105, 1254-1261.   | 2.6 | 16        |
| 99  | Local exposure of 849 MHz and 1763 MHz radiofrequency radiation to mouse heads does not induce cell death or cell proliferation in brain. Experimental and Molecular Medicine, 2008, 40, 294.   | 3.2 | 15        |
| 100 | Gene Flow between the Korean Peninsula and Its Neighboring Countries. PLoS ONE, 2010, 5, e11855.  | 1.1 | 15        |
| 101 | Prevalence and oncologic outcomes of BRCA 1/2 mutations in unselected triple-negative breast cancer patients in Korea. Breast Cancer Research and Treatment, 2019, 173, 385-395.  | 1.1 | 15        |
| 102 | Effect of radiofrequency radiation exposure on mouse skin tumorigenesis initiated by 7,12-dimethylbenz[ <i>l</i> ]anthracene. International Journal of Radiation Biology, 2005, 81, 861-867.  | 1.0 | 14        |
| 103 | Caveolin-1 inhibits neurite growth by blocking Rac1/Cdc42 and p21-activated kinase 1 interactions. NeuroReport, 2006, 17, 823-827.  | 0.6 | 14        |
| 104 | Identification of origin of unknown derivative chromosomes by array-based comparative genomic hybridization using pre- and postnatal clinical samples. Journal of Human Genetics, 2007, 52, 934-942.                                  | 1.1 | 14        |
| 105 | Alterations of transcriptome signatures in head trauma-related neurodegenerative disorders. Scientific Reports, 2020, 10, 8811.   | 1.6 | 14        |
| 106 | Inhibitory effect of Hsp70 on angiotensin II-induced vascular smooth muscle cell hypertrophy. Experimental and Molecular Medicine, 2006, 38, 509-518.   | 3.2 | 13        |
| 107 | Molecular diagnosis of congenital muscular dystrophies with defective glycosylation of alpha-dystroglycan using next-generation sequencing technology. Neuromuscular Disorders, 2013, 23, 337-344.                                    | 0.3 | 13        |
| 108 | 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.  | 2.6 | 13        |



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|-----|---|-----|-----------|
| 109 | Family-Based Association Study of Pulmonary Function in a Population in Northeast Asia. <i>PLoS ONE</i> , 2015, 10, e0139716.   | 1.1 | 13        |
| 110 | Hoyeraalá€Hreidarsson syndrome with a DKC1 mutation identified by whole-exome sequencing. <i>Gene</i> , 2014, 546, 425-429.   | 1.0 | 12        |
| 111 | Thymic epithelial tumour progression in an SV40T transgenic mouse model. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 1998, 432, 33-42.                            | 1.4 | 11        |
| 112 | Integrative Genomic and Transcriptomic Analyses of Tumor Suppressor Genes and Their Role on Tumor Microenvironment and Immunity in Lung Squamous Cell Carcinoma. <i>Frontiers in Immunology</i> , 2021, 12, 598671. | 2.2 | 11        |
| 113 | Protein kinase C $\alpha$ plays an essential role in hypertonicity-induced heat shock protein 70 expression. <i>Experimental and Molecular Medicine</i> , 2008, 40, 596.  | 3.2 | 10        |
| 114 | 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.                                | 3.2 | 10        |
| 115 | Copy Number Variation of Age-Related Macular Degeneration Relevant Genes in the Korean Population. <i>PLoS ONE</i> , 2012, 7, e31243.   | 1.1 | 10        |
| 116 | Classification of High-Grade Serous Ovarian Carcinoma by Epithelial-to-Mesenchymal Transition Signature and Homologous Recombination Repair Genes. <i>Genes</i> , 2021, 12, 1103.                                   | 1.0 | 10        |
| 117 | Comparison of effects of As2O3 and As4O6 on cell growth inhibition and gene expression profiles by cDNA microarray analysis in SiHa cells. <i>Oncology Reports</i> , 2004, 12, 573-80.                              | 1.2 | 10        |
| 118 | The signature from messenger RNA expression profiling can predict lymph node metastasis with high accuracy for non-small cell lung cancer. <i>Journal of Thoracic Oncology</i> , 2006, 1, 622-8.                    | 0.5 | 10        |
| 119 | Identification of novel mutations in FFPE lung adenocarcinomas using DEPArray sorting technology and next-generation sequencing. <i>Journal of Applied Genetics</i> , 2018, 59, 269-277.                            | 1.0 | 9         |
| 120 | Development of spontaneous hyperplastic skin lesions and chemically induced skin papillomas in transgenic mice expressing human papillomavirus type 16 E6/E7 genes. <i>Cancer Letters</i> , 2000, 160, 177-183.     | 3.2 | 8         |
| 121 | Gene mapping study for constitutive skin color in an isolated Mongolian population. <i>Experimental and Molecular Medicine</i> , 2012, 44, 241.   | 3.2 | 8         |
| 122 | LYL1 gene amplification predicts poor survival of patients with uterine corpus endometrial carcinoma: analysis of the Cancer genome atlas data. <i>BMC Cancer</i> , 2018, 18, 494.                                  | 1.1 | 8         |
| 123 | Direct conversion of adult human fibroblasts into functional endothelial cells using defined factors. <i>Biomaterials</i> , 2021, 272, 120781.  | 5.7 | 8         |
| 124 | Linkage and association scan for tanning ability in an isolated Mongolian population. <i>BMB Reports</i> , 2011, 44, 741-746.   | 1.1 | 8         |
| 125 | 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, 139-147.                                | 1.0 | 7         |
| 126 | Heritability and linkage study on heart rates in a Mongolian population. <i>Experimental and Molecular Medicine</i> , 2008, 40, 558.  | 3.2 | 7         |



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|-----|--|-----|-----------|
| 127 | Effect of the Absence of Heat Shock Protein 70.1 (hsp70.1) on Retinal Photic Injury. Korean Journal of Ophthalmology: KJO, 2003, 17, 7.  | 0.5 | 7         |
| 128 | Intestinal protozoan infections and echinococcosis in the inhabitants of Dornod and Selenge, Mongolia (2003). Korean Journal of Parasitology, 2006, 44, 171.   | 0.5 | 7         |
| 129 | Investigation of Genetic Evidence for Sasang Constitution Types in South Korea. Genomics and Informatics, 2009, 7, 107-110.  | 0.4 | 7         |
| 130 | Lack of association of cathepsin D genetic polymorphism with Alzheimer's disease in Koreans. Archives of Gerontology and Geriatrics, 2005, 41, 121-127.  | 1.4 | 6         |
| 131 | Effect of the absence of heat shock protein 70.1 (hsp70.1) on retinal photoreceptors in normal and rd mice. Korean Journal of Ophthalmology: KJO, 2001, 15, 67.  | 0.5 | 6         |
| 132 | Heat shock protein 70 alters the endosome-lysosomal localization of huntingtin. Experimental and Molecular Medicine, 2007, 39, 38-46.  | 3.2 | 5         |
| 133 | Association of Matrix metalloproteinase-3 with cardiogenic activity during Noggin-induced differentiation of mouse embryonic stem cells. International Journal of Cardiology, 2010, 141, 49-60.                            | 0.8 | 5         |
| 134 | Stretch-Activated Atrial Natriuretic Peptide Secretion in Atria with Heat Shock Protein 70 Overexpression. Experimental Biology and Medicine, 2003, 228, 200-206.  | 1.1 | 4         |
| 135 | Genetic variations associated with response to dutasteride in the treatment of male subjects with androgenetic alopecia. PLoS ONE, 2019, 14, e0222533.   | 1.1 | 4         |
| 136 | Evaluation of low-pass genome sequencing in polygenic risk score calculation for Parkinson's disease. Human Genomics, 2021, 15, 58.  | 1.4 | 4         |
| 137 | Genomic and transcriptomic analyses reveal a tandem amplification unit of 11 genes and mutations in mismatch repair genes in methotrexate-resistant HT-29 cells. Experimental and Molecular Medicine, 2021, 53, 1344-1355. | 3.2 | 4         |
| 138 | Lung adenoma development and NK activity in mice treated with multiple carcinogens. Journal of Korean Medical Science, 1992, 7, 1.   | 1.1 | 3         |
| 139 | Alterations of the thymic selection process in transgenic mice expressing SV40 large T antigen. , 1996, 67, 399-404.   |     | 3         |
| 140 | Parthenogenetic embryonic stem cells with H19 siRNA-mediated knockdown as a potential resource for cell therapy. International Journal of Molecular Medicine, 2012, 29, 257-62.  | 1.8 | 3         |
| 141 | Development of a common platform for the noninvasive prenatal diagnosis of X-linked diseases. Prenatal Diagnosis, 2018, 38, 835-840.   | 1.1 | 3         |
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