# Woong-Yang Park

## 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.

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| 295 papers | 11,323 citations | 46 h-index | 97 g-index |
| 326 ext. papers | 14,572 ext. citations | 7.2 avg, IF | 5.9 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 295 | Genomic Classification of Cutaneous Melanoma. *Cell*, **2015**, 161, 1681-96 | 56.2 | 1807 |
| 294 | The somatic genomic landscape of chromophobe renal cell carcinoma. *Cancer Cell*, **2014**, 26, 319-330 | 24.3 | 521 |
| 293 | Single-cell RNA-seq enables comprehensive tumour and immune cell profiling in primary breast cancer. *Nature Communications*, **2017**, 8, 15081 | 17.4 | 459 |
| 292 | Clonal evolution of glioblastoma under therapy. *Nature Genetics*, **2016**, 48, 768-76 | 36.3 | 390 |
| 291 | A molecular portrait of microsatellite instability across multiple cancers. *Nature Communications*, **2017**, 8, 15180 | 17.4 | 288 |
| 290 | Clinical and biological implications of CD133-positive and CD133-negative cells in glioblastomas. *Laboratory Investigation*, **2008**, 88, 808-15 | 5.9 | 281 |
| 289 | Intron retention is a widespread mechanism of tumor-suppressor inactivation. *Nature Genetics*, **2015**, 47, 1242-8 | 36.3 | 217 |
| 288 | A single recurrent mutation in the 5′UTR of IFITM5 causes osteogenesis imperfecta type V. *American Journal of Human Genetics*, **2012**, 91, 343-8 | 11 | 186 |
| 287 | Up-regulation of caveolin attenuates epidermal growth factor signaling in senescent cells. *Journal of Biological Chemistry*, **2000**, 275, 20847-52 | 5.4 | 182 |
| 286 | Single-cell mRNA sequencing identifies subclonal heterogeneity in anti-cancer drug responses of lung adenocarcinoma cells. *Genome Biology*, **2015**, 16, 127 | 18.3 | 181 |
| 285 | Spatiotemporal Evolution of the Primary Glioblastoma Genome. *Cancer Cell*, **2015**, 28, 318-28 | 24.3 | 180 |
| 284 | Single-cell RNA sequencing demonstrates the molecular and cellular reprogramming of metastatic lung adenocarcinoma. *Nature Communications*, **2020**, 11, 2285 | 17.4 | 163 |
| 283 | Patient-specific orthotopic glioblastoma xenograft models recapitulate the histopathology and biology of human glioblastomas in situ. *Cell Reports*, **2013**, 3, 260-73 | 10.6 | 152 |
| 282 | Neuronal Elav-like (Hu) proteins regulate RNA splicing and abundance to control glutamate levels and neuronal excitability. *Neuron*, **2012**, 75, 1067-80 | 13.9 | 143 |
| 281 | Spatiotemporal genomic architecture informs precision oncology in glioblastoma. *Nature Genetics*, **2017**, 49, 594-599 | 36.3 | 141 |
| 280 | Application of single-cell RNA sequencing in optimizing a combinatorial therapeutic strategy in metastatic renal cell carcinoma. *Genome Biology*, **2016**, 17, 80 | 18.3 | 127 |
| 279 | Frizzled 4 regulates stemness and invasiveness of migrating glioma cells established by serial intracranial transplantation. *Cancer Research*, **2011**, 71, 3066-75 | 10.1 | 117 |

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| 278 | CCDC41 is required for ciliary vesicle docking to the mother centriole. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 5987-92 | 11.5 | 105 |
| 277 | A genome-wide association study identifies a breast cancer risk variant in ERBB4 at 2q34: results from the Seoul Breast Cancer Study. *Breast Cancer Research*, **2012**, 14, R56 | 8.3 | 102 |
| 276 | Identification of radiation-specific responses from gene expression profile. *Oncogene*, **2002**, 21, 8521-8 | 9.2 | 102 |
| 275 | Inhibitor of differentiation 4 drives brain tumor-initiating cell genesis through cyclin E and notch signaling. *Genes and Development*, **2008**, 22, 2028-33 | 12.6 | 97 |
| 274 | Lineage-dependent gene expression programs influence the immune landscape of colorectal cancer. *Nature Genetics*, **2020**, 52, 594-603 | 36.3 | 96 |
| 273 | Pharmacogenomic landscape of patient-derived tumor cells informs precision oncology therapy. *Nature Genetics*, **2018**, 50, 1399-1411 | 36.3 | 94 |
| 272 | Prevalence and detection of low-allele-fraction variants in clinical cancer samples. *Nature Communications*, **2017**, 8, 1377 | 17.4 | 92 |
| 271 | Linking transcriptional and genetic tumor heterogeneity through allele analysis of single-cell RNA-seq data. *Genome Research*, **2018**, 28, 1217-1227 | 9.7 | 90 |
| 270 | miR-9 and let-7g enhance the sensitivity to ionizing radiation by suppression of NFB1. *Experimental and Molecular Medicine*, **2011**, 43, 298-304 | 12.8 | 88 |
| 269 | Identification of Driving ALK Fusion Genes and Genomic Landscape of Medullary Thyroid Cancer. *PLoS Genetics*, **2015**, 11, e1005467 | 6 | 86 |
| 268 | Acquired C797S Mutation upon Treatment with a T790M-Specific Third-Generation EGFR Inhibitor (HM61713) in Non-Small Cell Lung Cancer. *Journal of Thoracic Oncology*, **2016**, 11, e45-7 | 8.9 | 82 |
| 267 | miR-506 regulates epithelial mesenchymal transition in breast cancer cell lines. *PLoS ONE*, **2013**, 8, e64237 | 3.7 | 82 |
| 266 | Hippo-mediated suppression of IRS2/AKT signaling prevents hepatic steatosis and liver cancer. *Journal of Clinical Investigation*, **2018**, 128, 1010-1025 | 15.9 | 81 |
| 265 | Lung cancer in never-smoker Asian females is driven by oncogenic mutations, most often involving EGFR. *Oncotarget*, **2015**, 6, 5465-74 | 3.3 | 78 |
| 264 | A statin-regulated microRNA represses human c-Myc expression and function. *EMBO Molecular Medicine*, **2012**, 4, 896-909 | 12 | 78 |
| 263 | Multi-omics profiling of younger Asian breast cancers reveals distinctive molecular signatures. *Nature Communications*, **2018**, 9, 1725 | 17.4 | 72 |
| 262 | Diagnostic application of targeted resequencing for familial nonsyndromic hearing loss. *PLoS ONE*, **2013**, 8, e68692 | 3.7 | 65 |
| 261 | Inertial-ordering-assisted droplet microfluidics for high-throughput single-cell RNA-sequencing. *Lab on A Chip*, **2018**, 18, 775-784 | 7.2 | 60 |

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| 260 | Concurrent Genetic Alterations Predict the Progression to Target Therapy in EGFR-Mutated Advanced NSCLC. *Journal of Thoracic Oncology*, **2019**, 14, 193-202 | 8.9 | 59 |
| 259 | Two Cases of Small Cell Lung Cancer Transformation from EGFR Mutant Adenocarcinoma During AZD9291 Treatment. *Journal of Thoracic Oncology*, **2016**, 11, e1-4 | 8.9 | 59 |
| 258 | Structure and mechanism of activity-based inhibition of the EGF receptor by Mig6. *Nature Structural and Molecular Biology*, **2015**, 22, 703-711 | 17.6 | 56 |
| 257 | Activation of notch signaling in a xenograft model of brain metastasis. *Clinical Cancer Research*, **2008**, 14, 4059-66 | 12.9 | 56 |
| 256 | Chemical inhibitors destabilize HuR binding to the AU-rich element of TNF-alpha mRNA. *Experimental and Molecular Medicine*, **2009**, 41, 824-31 | 12.8 | 55 |
| 255 | Down-regulation of amphiphysin-1 is responsible for reduced receptor-mediated endocytosis in the senescent cells. *FASEB Journal*, **2001**, 15, 1625-7 | 0.9 | 54 |
| 254 | TERT promoter mutations and long-term survival in patients with thyroid cancer. *Endocrine-Related Cancer*, **2016**, 23, 813-23 | 5.7 | 53 |
| 253 | SIDR: simultaneous isolation and parallel sequencing of genomic DNA and total RNA from single cells. *Genome Research*, **2018**, 28, 75-87 | 9.7 | 52 |
| 252 | Patient-derived xenografts from non-small cell lung cancer brain metastases are valuable translational platforms for the development of personalized targeted therapy. *Clinical Cancer Research*, **2015**, 21, 1172-82 | 12.9 | 49 |
| 251 | Tumor Heterogeneity Predicts Metastatic Potential in Colorectal Cancer. *Clinical Cancer Research*, **2017**, 23, 7209-7216 | 12.9 | 48 |
| 250 | NTRK1 rearrangement in colorectal cancer patients: evidence for actionable target using patient-derived tumor cell line. *Oncotarget*, **2015**, 6, 39028-35 | 3.3 | 46 |
| 249 | Single-cell RNA sequencing reveals the tumor microenvironment and facilitates strategic choices to circumvent treatment failure in a chemorefractory bladder cancer patient. *Genome Medicine*, **2020**, 12, 47 | 14.4 | 45 |
| 248 | Fully automated circulating tumor cell isolation platform with large-volume capacity based on lab-on-a-disc. *Analytical Chemistry*, **2014**, 86, 3735-42 | 7.8 | 45 |
| 247 | Identification of Distinct Tumor Subpopulations in Lung Adenocarcinoma via Single-Cell RNA-seq. *PLoS ONE*, **2015**, 10, e0135817 | 3.7 | 45 |
| 246 | Up-regulation of PDCD4 in senescent human diploid fibroblasts. *Biochemical and Biophysical Research Communications*, **2002**, 293, 617-21 | 3.4 | 45 |
| 245 | The mutational landscape of ocular marginal zone lymphoma identifies frequent alterations in TNFAIP3 followed by mutations in TBL1XR1 and CREBBP. *Oncotarget*, **2017**, 8, 17038-17049 | 3.3 | 44 |
| 244 | Gene profile of replicative senescence is different from progeria or elderly donor. *Biochemical and Biophysical Research Communications*, **2001**, 282, 934-9 | 3.4 | 44 |
| 243 | NGSCheckMate: software for validating sample identity in next-generation sequencing studies within and across data types. *Nucleic Acids Research*, **2017**, 45, e103 | 20.1 | 43 |

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| 242 | Molecular breakdown: a comprehensive view of anaplastic lymphoma kinase (ALK)-rearranged non-small cell lung cancer. *Journal of Pathology*, **2017**, 243, 307-319 | 9.4 | 43 |
| 241 | LIN28B confers radio-resistance through the posttranscriptional control of KRAS. *Experimental and Molecular Medicine*, **2009**, 41, 912-8 | 12.8 | 42 |
| 240 | Uteroglobin gene polymorphisms affect the progression of immunoglobulin A nephropathy by modulating the level of uteroglobin expression. *Pharmacogenetics and Genomics*, **2001**, 11, 299-305 | | 42 |
| 239 | Patient-derived cell models as preclinical tools for genome-directed targeted therapy. *Oncotarget*, **2015**, 6, 25619-30 | 3.3 | 42 |
| 238 | Characterization of background noise in capture-based targeted sequencing data. *Genome Biology*, **2017**, 18, 136 | 18.3 | 41 |
| 237 | Patient-Derived Xenograft Models of Epithelial Ovarian Cancer for Preclinical Studies. *Cancer Research and Treatment*, **2017**, 49, 915-926 | 5.2 | 41 |
| 236 | Correlations between metabolic texture features, genetic heterogeneity, and mutation burden in patients with lung cancer. *European Journal of Nuclear Medicine and Molecular Imaging*, **2019**, 46, 446-454 | 8.8 | 40 |
| 235 | Mutations in PCYT1A, encoding a key regulator of phosphatidylcholine metabolism, cause spondylometaphyseal dysplasia with cone-rod dystrophy. *American Journal of Human Genetics*, **2014**, 94, 105-12 | 11 | 40 |
| 234 | Prevalence of p.V37I variant of GJB2 in mild or moderate hearing loss in a pediatric population and the interpretation of its pathogenicity. *PLoS ONE*, **2013**, 8, e61592 | 3.7 | 40 |
| 233 | Gene expression profiling of anti-GBM glomerulonephritis model: the role of NF-kappaB in immune complex kidney disease. *Kidney International*, **2004**, 66, 1826-37 | 9.9 | 40 |
| 232 | GADD153 mediates celecoxib-induced apoptosis in cervical cancer cells. *Carcinogenesis*, **2007**, 28, 223-31 | 4.6 | 39 |
| 231 | Analysis of intrapatient heterogeneity uncovers the microevolution of Middle East respiratory syndrome coronavirus. *Journal of Physical Education and Sports Management*, **2016**, 2, a001214 | 2.8 | 39 |
| 230 | Korean Variant Archive (KOVA): a reference database of genetic variations in the Korean population. *Scientific Reports*, **2017**, 7, 4287 | 4.9 | 38 |
| 229 | HER2 as a novel therapeutic target for cervical cancer. *Oncotarget*, **2015**, 6, 36219-30 | 3.3 | 37 |
| 228 | miR-374a-5p promotes tumor progression by targeting ARRB1 in triple negative breast cancer. *Cancer Letters*, **2019**, 454, 224-233 | 9.9 | 36 |
| 227 | DNA Damage Response and Repair Pathway Alteration and Its Association With Tumor Mutation Burden and Platinum-Based Chemotherapy in SCLC. *Journal of Thoracic Oncology*, **2019**, 14, 1640-1650 | 8.9 | 36 |
| 226 | Evaluation of somatic copy number estimation tools for whole-exome sequencing data. *Briefings in Bioinformatics*, **2016**, 17, 185-92 | 13.4 | 35 |
| 225 | A microchip filter device incorporating slit arrays and 3-D flow for detection of circulating tumor cells using CAV1-EpCAM conjugated microbeads. *Biomaterials*, **2014**, 35, 7501-10 | 15.6 | 35 |

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| 224 | Exploration of molecular genetic etiology for Korean cochlear implantees with severe to profound hearing loss and its implication. *Orphanet Journal of Rare Diseases*, **2014**, 9, 167 | 4.2 | 35 |
| 223 | Chemotherapy induces dynamic immune responses in breast cancers that impact treatment outcome. *Nature Communications*, **2020**, 11, 6175 | 17.4 | 35 |
| 222 | miR-192 suppresses leptomeningeal dissemination of medulloblastoma by modulating cell proliferation and anchoring through the regulation of DHFR, integrins, and CD47. *Oncotarget*, **2015**, 6, 43712-30 | 3.3 | 34 |
| 221 | Smooth-muscle progenitor cells isolated from patients with moyamoya disease: novel experimental cell model. *Journal of Neurosurgery*, **2014**, 120, 415-25 | 3.2 | 34 |
| 220 | Whole-exome sequencing identifies mutations of KIF22 in spondyloepimetaphyseal dysplasia with joint laxity, leptodactylic type. *American Journal of Human Genetics*, **2011**, 89, 760-6 | 11 | 34 |
| 219 | Transformation to Small Cell Lung Cancer of Pulmonary Adenocarcinoma: Clinicopathologic Analysis of Six Cases. *Journal of Pathology and Translational Medicine*, **2016**, 50, 258-63 | 2.9 | 34 |
| 218 | Atypical hemolytic uremic syndrome: Korean pediatric series. *Pediatrics International*, **2015**, 57, 431-8 | 1.2 | 33 |
| 217 | Highly Concordant Key Genetic Alterations in Primary Tumors and Matched Distant Metastases in Differentiated Thyroid Cancer. *Thyroid*, **2016**, 26, 672-82 | 6.2 | 33 |
| 216 | Multiphasic analysis of whole exome sequencing data identifies a novel mutation of ACTG1 in a nonsyndromic hearing loss family. *BMC Genomics*, **2013**, 14, 191 | 4.5 | 33 |
| 215 | Acquired resistance to LY2874455 in FGFR2-amplified gastric cancer through an emergence of novel FGFR2-ACSL5 fusion. *Oncotarget*, **2017**, 8, 15014-15022 | 3.3 | 32 |
| 214 | Whole-exome sequencing reveals diverse modes of inheritance in sporadic mild to moderate sensorineural hearing loss in a pediatric population. *Genetics in Medicine*, **2015**, 17, 901-11 | 8.1 | 32 |
| 213 | Prognostic classification of pediatric medulloblastoma based on chromosome 17p loss, expression of MYCC and MYCN, and Wnt pathway activation. *Neuro-Oncology*, **2012**, 14, 203-14 | 1 | 32 |
| 212 | Obesity and genetic polymorphism of ERCC2 and ERCC4 as modifiers of risk of breast cancer. *Experimental and Molecular Medicine*, **2005**, 37, 86-90 | 12.8 | 30 |
| 211 | Clinical implication of tumor mutational burden in patients with HER2-positive refractory metastatic breast cancer. *OncoImmunology*, **2018**, 7, e1466768 | 7.2 | 30 |
| 210 | RNA-seq Reveals Transcriptomic Differences in Inflamed and Noninflamed Intestinal Mucosa of Crohn□ Disease Patients Compared with Normal Mucosa of Healthy Controls. *Inflammatory Bowel Diseases*, **2017**, 23, 1098-1108 | 4.5 | 29 |
| 209 | The minimal amount of starting DNA for Agilent□ hybrid capture-based targeted massively parallel sequencing. *Scientific Reports*, **2016**, 6, 26732 | 4.9 | 29 |
| 208 | ATP1A3 mutations can cause progressive auditory neuropathy: a new gene of auditory synaptopathy. *Scientific Reports*, **2017**, 7, 16504 | 4.9 | 29 |
| 207 | Coordinated regulation of ATF2 by miR-26b in □rradiated lung cancer cells. *PLoS ONE*, **2011**, 6, e23802 | 3.7 | 29 |

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| 206 | Role of HER2 mutations in refractory metastatic breast cancers: targeted sequencing results in patients with refractory breast cancer. *Oncotarget*, **2015**, 6, 32027-38 | 3.3 | 29 |
| 205 | High-power femtosecond-terahertz pulse induces a wound response in mouse skin. *Scientific Reports*, **2013**, 3, 2296 | 4.9 | 28 |
| 204 | Attenuation of EGF signaling in senescent cells by caveolin. *Annals of the New York Academy of Sciences*, **2001**, 928, 79-84 | 6.5 | 28 |
| 203 | Selection of neural differentiation-specific genes by comparing profiles of random differentiation. *Stem Cells*, **2006**, 24, 1946-55 | 5.8 | 28 |
| 202 | Transcriptional regulatory networks of tumor-associated macrophages that drive malignancy in mesenchymal glioblastoma. *Genome Biology*, **2020**, 21, 216 | 18.3 | 28 |
| 201 | Determinants of Response and Intrinsic Resistance to PD-1 Blockade in Microsatellite Instability-High Gastric Cancer. *Cancer Discovery*, **2021**, 11, 2168-2185 | 24.4 | 27 |
| 200 | Analyzing Somatic Genome Rearrangements in Human Cancers by Using Whole-Exome Sequencing. *American Journal of Human Genetics*, **2016**, 98, 843-856 | 11 | 27 |
| 199 | Intratumor heterogeneity inferred from targeted deep sequencing as a prognostic indicator. *Scientific Reports*, **2019**, 9, 4542 | 4.9 | 26 |
| 198 | Good Laboratory Standards for Clinical Next-Generation Sequencing Cancer Panel Tests. *Journal of Pathology and Translational Medicine*, **2017**, 51, 191-204 | 2.9 | 26 |
| 197 | A novel mutation of TMPRSS3 related to milder auditory phenotype in Korean postlingual deafness: a possible future implication for a personalized auditory rehabilitation. *Journal of Molecular Medicine*, **2014**, 92, 651-63 | 5.5 | 26 |
| 196 | Molecular responses of Jurkat T-cells to 1763 MHz radiofrequency radiation. *International Journal of Radiation Biology*, **2008**, 84, 734-41 | 2.9 | 26 |
| 195 | Utility of targeted deep sequencing for detecting circulating tumor DNA in pancreatic cancer patients. *Scientific Reports*, **2018**, 8, 11631 | 4.9 | 25 |
| 194 | Dielectric relaxation change of water upon phase transition of a lipid bilayer probed by terahertz time domain spectroscopy. *Journal of Chemical Physics*, **2012**, 137, 175101 | 3.9 | 25 |
| 193 | Allelic imbalance of somatic mutations in cancer genomes and transcriptomes. *Scientific Reports*, **2017**, 7, 1653 | 4.9 | 24 |
| 192 | Deregulation of Retinaldehyde Dehydrogenase 2 Leads to Defective Angiogenic Function of Endothelial Colony-Forming Cells in Pediatric Moyamoya Disease. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2015**, 35, 1670-7 | 9.4 | 24 |
| 191 | BGN Mutations in X-Linked Spondyloepimetaphyseal Dysplasia. *American Journal of Human Genetics* , **2016**, 98, 1243-1248 | 11 | 24 |
| 190 | miRNA expression analysis in cortical dysplasia: regulation of mTOR and LIS1 pathway. *Epilepsy Research*, **2014**, 108, 433-41 | 3 | 24 |
| 189 | Clinical consequences in truncating mutations in exon 34 of NOTCH2: report of six patients with Hajdu-Cheney syndrome and a patient with serpentine fibula polycystic kidney syndrome. *American Journal of Medical Genetics, Part A*, **2013**, 161A, 518-26 | 2.5 | 23 |

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| 188 | Characterization of biological effect of 1763 MHz radiofrequency exposure on auditory hair cells. *International Journal of Radiation Biology*, **2008**, 84, 909-15 | 2.9 | 23 |
| 187 | Alterations in the Transcriptional Programs of Myeloma Cells and the Microenvironment during Extramedullary Progression Affect Proliferation and Immune Evasion. *Clinical Cancer Research*, **2020**, 26, 935-944 | 12.9 | 23 |
| 186 | Discovery of CDH23 as a Significant Contributor to Progressive Postlingual Sensorineural Hearing Loss in Koreans. *PLoS ONE*, **2016**, 11, e0165680 | 3.7 | 23 |
| 185 | Targeted deep sequencing of gastric marginal zone lymphoma identified alterations of TRAF3 and TNFAIP3 that were mutually exclusive for MALT1 rearrangement. *Modern Pathology*, **2018**, 31, 1418-1428 | 8.8 | 23 |
| 184 | Colon cancer-derived oncogenic EGFR G724S mutant identified by whole genome sequence analysis is dependent on asymmetric dimerization and sensitive to cetuximab. *Molecular Cancer*, **2014**, 13, 141 | 42.1 | 22 |
| 183 | Deciphering intratumor heterogeneity using cancer genome analysis. *Human Genetics*, **2016**, 135, 635-42 | 6.3 | 22 |
| 182 | Paired genomic analysis of squamous cell carcinoma transformed from EGFR-mutated lung adenocarcinoma. *Lung Cancer*, **2019**, 134, 7-15 | 5.9 | 21 |
| 181 | Gene expression profiles of human subcutaneous and visceral adipose-derived stem cells. *Cell Biochemistry and Function*, **2016**, 34, 563-571 | 4.2 | 21 |
| 180 | Highly dense, optically inactive silica microbeads for the isolation and identification of circulating tumor cells. *Biomaterials*, **2016**, 75, 271-278 | 15.6 | 21 |
| 179 | Induction of hair growth by insulin-like growth factor-1 in 1,763 MHz radiofrequency-irradiated hair follicle cells. *PLoS ONE*, **2011**, 6, e28474 | 3.7 | 21 |
| 178 | The NEXT-1 (Next generation pErsonalized tX with mulTi-omics and preclinical model) trial: prospective molecular screening trial of metastatic solid cancer patients, a feasibility analysis. *Oncotarget*, **2015**, 6, 33358-68 | 3.3 | 21 |
| 177 | Comprehensive somatic genome alterations of urachal carcinoma. *Journal of Medical Genetics*, **2017** , 54, 572-578 | 5.8 | 20 |
| 176 | De novo large genomic deletions involving POU3F4 in incomplete partition type III inner ear anomaly in East Asian populations and implications for genetic counseling. *Otology and Neurotology* , **2015**, 36, 184-90 | 2.6 | 20 |
| 175 | Clinical implications of genomic profiles in metastatic breast cancer with a focus on TP53 and PIK3CA, the most frequently mutated genes. *Oncotarget*, **2017**, 8, 27997-28007 | 3.3 | 20 |
| 174 | Standard immunohistochemistry efficiently screens for anaplastic lymphoma kinase rearrangements in differentiated thyroid cancer. *Endocrine-Related Cancer*, **2015**, 22, 55-63 | 5.7 | 19 |
| 173 | Distinct genomic profile and specific targeted drug responses in adult cerebellar glioblastoma. *Neuro-Oncology*, **2019**, 21, 47-58 | 1 | 19 |
| 172 | Strong founder effect of p.P240L in CDH23 in Koreans and its significant contribution to severe-to-profound nonsyndromic hearing loss in a Korean pediatric population. *Journal of Translational Medicine*, **2015**, 13, 263 | 8.5 | 19 |
| 171 | Identification and Clinical Implications of Novel MYO15A Mutations in a Non-consanguineous Korean Family by Targeted Exome Sequencing. *Molecules and Cells*, **2015**, 38, 781-8 | 3.5 | 19 |

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| 170 | Genomic Alterations in Biliary Tract Cancer Using Targeted Sequencing. *Translational Oncology*, **2016**, 9, 173-8 | 4.9 | 19 |
| 169 | The diagnostic application of targeted re-sequencing in Korean patients with retinitis pigmentosa. *BMC Genomics*, **2015**, 16, 515 | 4.5 | 18 |
| 168 | Expansion of phenotypic spectrum of MYO15A pathogenic variants to include postlingual onset of progressive partial deafness. *BMC Medical Genetics*, **2018**, 19, 29 | 2.1 | 18 |
| 167 | A mir-153 binding site variation in SNCA in a patient with Parkinson's disease. *Movement Disorders*, **2013**, 28, 1755-6 | 7 | 18 |
| 166 | Vertical Magnetic Separation of Circulating Tumor Cells for Somatic Genomic-Alteration Analysis in Lung Cancer Patients. *Scientific Reports*, **2016**, 6, 37392 | 4.9 | 18 |
| 165 | Neutrophils expressing lysyl oxidase-like 4 protein are present in colorectal cancer liver metastases resistant to anti-angiogenic therapy. *Journal of Pathology*, **2020**, 251, 213-223 | 9.4 | 18 |
| 164 | Genetic and Clinical Characteristics of Phyllodes Tumors of the Breast. *Translational Oncology*, **2018** , 11, 18-23 | 4.9 | 18 |
| 163 | A dominant mesomelic dysplasia associated with a 1.0-Mb microduplication of HOXD gene cluster at 2q31.1. *Journal of Medical Genetics*, **2010**, 47, 638-9 | 5.8 | 17 |
| 162 | Time-course analysis of DNA damage response-related genes after in vitro radiation in H460 and H1229 lung cancer cell lines. *Experimental and Molecular Medicine*, **2011**, 43, 419-26 | 12.8 | 17 |
| 161 | Immune signature of metastatic breast cancer: Identifying predictive markers of immunotherapy response. *Oncotarget*, **2017**, 8, 47400-47411 | 3.3 | 17 |
| 160 | Genomic scoring to determine clinical benefit of immunotherapy by targeted sequencing. *European Journal of Cancer*, **2019**, 120, 65-74 | 7.5 | 16 |
| 159 | Destabilization and mislocalization of POU3F4 by C-terminal frameshift truncation and extension mutation. *Human Mutation*, **2013**, 34, 309-16 | 4.7 | 16 |
| 158 | Paraneoplastic neuromyelitis optica associated with ANNA-1 antibodies in invasive thymoma. *BMC Ophthalmology*, **2014**, 14, 106 | 2.3 | 16 |
| 157 | Suppression of miR135b increases the proliferative potential of normal human keratinocytes. *Journal of Investigative Dermatology*, **2014**, 134, 1161-1164 | 4.3 | 16 |
| 156 | Dcr3 inhibit p53-dependent apoptosis in gamma-irradiated lung cancer cells. *International Journal of Radiation Biology*, **2010**, 86, 780-90 | 2.9 | 16 |
| 155 | GADD153 mediates celecoxib-induced apoptosis in cervical cancer cells. *Carcinogenesis*, **2006**, 27, 1961-9 | 4.6 | 16 |
| 154 | Tissue recommendations for precision cancer therapy using next generation sequencing: a comprehensive single cancer center's experiences. *Oncotarget*, **2017**, 8, 42478-42486 | 3.3 | 16 |
| 153 | Anti-Inflammatory Actions of Soluble Ninjurin-1 Ameliorate Atherosclerosis. *Circulation*, **2020**, 142, 1736-1751 | 16.7 | 16 |

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| 152 | Unraveling of Enigmatic Hearing-Impaired GJB2 Single Heterozygotes by Massive Parallel Sequencing: DFNB1 or Not?. *Medicine (United States)*, **2016**, 95, e3029 | 1.8 | 16 |
| 151 | Targeted exome sequencing resolves allelic and the genetic heterogeneity in the genetic diagnosis of nephronophthisis-related ciliopathy. *Experimental and Molecular Medicine*, **2016**, 48, e251 | 12.8 | 15 |
| 150 | Genetic variants of PARK genes in Korean patients with early-onset Parkinson disease. *Neurobiology of Aging*, **2019**, 75, 224.e9-224.e15 | 5.6 | 15 |
| 149 | Alternative polyadenylation of single cells delineates cell types and serves as a prognostic marker in early stage breast cancer. *PLoS ONE*, **2019**, 14, e0217196 | 3.7 | 14 |
| 148 | Exome and transcriptome sequencing identifies loss of in metastatic colorectal cancers. *Cancer Management and Research*, **2017**, 9, 581-589 | 3.6 | 14 |
| 147 | Comprehensive genetic exploration of skeletal dysplasia using targeted exome sequencing. *Genetics in Medicine*, **2016**, 18, 563-9 | 8.1 | 14 |
| 146 | Downsloping high-frequency hearing loss due to inner ear tricellular tight junction disruption by a novel ILDR1 mutation in the Ig-like domain. *PLoS ONE*, **2015**, 10, e0116931 | 3.7 | 14 |
| 145 | Caveolin-1 inhibits neurite growth by blocking Rac1/Cdc42 and p21-activated kinase 1 interactions. *NeuroReport*, **2006**, 17, 823-7 | 1.7 | 14 |
| 144 | Down-regulation of receptor-mediated endocytosis is responsible for senescence-associated hyporesponsiveness. *Annals of the New York Academy of Sciences*, **2002**, 959, 45-9 | 6.5 | 14 |
| 143 | Immune subtyping of extranodal NK/T-cell lymphoma: a new biomarker and an immune shift during disease progression. *Modern Pathology*, **2020**, 33, 603-615 | 9.8 | 14 |
| 142 | Paired whole exome and transcriptome analyses for the Immunogenomic changes during concurrent chemoradiotherapy in esophageal squamous cell carcinoma **2019**, 7, 128 | | 13 |
| 141 | A Method to Evaluate the Quality of Clinical Gene-Panel Sequencing Data for Single-Nucleotide Variant Detection. *Journal of Molecular Diagnostics*, **2017**, 19, 651-658 | 5.1 | 13 |
| 140 | The implication of FLT3 amplification for FLT targeted therapeutics in solid tumors. *Oncotarget*, **2017**, 8, 3237-3245 | 3.3 | 13 |
| 139 | Integrative radiogenomic analysis for multicentric radiophenotype in glioblastoma. *Oncotarget*, **2016**, 7, 11526-38 | 3.3 | 13 |
| 138 | Type 1 Sialidosis Patient With a Novel Deletion Mutation in the NEU1 Gene: Case Report and Literature Review. *Cerebellum*, **2019**, 18, 659-664 | 4.3 | 13 |
| 137 | Preferential Infiltration of Unique V□J□-V□ T Cells Into Glioblastoma Multiforme. *Frontiers in Immunology*, **2019**, 10, 555 | 8.4 | 12 |
| 136 | Skeletal overgrowth syndrome caused by overexpression of C-type natriuretic peptide in a girl with balanced chromosomal translocation, t(1;2)(q41;q37.1). *American Journal of Medical Genetics, Part A* , **2015**, 167A, 1033-8 | 2.5 | 12 |
| 135 | ChromoViz: multimodal visualization of gene expression data onto chromosomes using scalable vector graphics. *Bioinformatics*, **2004**, 20, 1191-2 | 7.2 | 12 |

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| 134 | Circulating tumor DNA shows variable clonal response of breast cancer during neoadjuvant chemotherapy. *Oncotarget*, **2017**, 8, 86423-86434 | 3.3 | 12 |
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