Woong-Yang Park

List of Publications by Year in Descending Order

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	Exploratory analysis of biomarkers associated with clinical outcomes from the study of palbociclib plus endocrine therapy in premenopausal women with hormone receptor-positive, HER2-negative metastatic breast cancer.. *Breast*, **2022**, 62, 52-60	3.6	1
294	Clinical relevance of serum-derived exosomal messenger RNA sequencing in patients with non-Hodgkin lymphoma.. *Journal of Cancer*, **2022**, 13, 1388-1397	4.5	0
293	Abstract PD2-08: Serial genomic profiling reveals molecular mechanisms of breast cancer resistance to palbociclib. *Cancer Research*, **2022**, 82, PD2-08-PD2-08	10.1	0
292	Deconvolution of Adult T-Cell Leukemia/Lymphoma With Single-Cell RNA-Seq Using Frozen Archived Skin Tissue Reveals New Subset of Cancer-Associated Fibroblast.. *Frontiers in Immunology*, **2022**, 13, 856363	8.4	1
291	Molecular Subtypes Based on Genomic and Transcriptomic Features Correlate with the Responsiveness to Immune Checkpoint Inhibitors in Metastatic Clear Cell Renal Cell Carcinoma. *Cancers*, **2022**, 14, 2354	6.6	0
290	The role of PDGFRA as a therapeutic target in young colorectal cancer patients. *Journal of Translational Medicine*, **2021**, 19, 446	8.5	1
289	Computational modeling of malignant ascites reveals CCL5-SDC4 interaction in the immune microenvironment of ovarian cancer. *Molecular Carcinogenesis*, **2021**, 60, 297-312	5	3
288	Mutational Profile and Clonal Evolution of Relapsed/Refractory Diffuse Large B-Cell Lymphoma. *Frontiers in Oncology*, **2021**, 11, 628807	5.3	4
287	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
286	Lighthouse in the open sea of spastic ataxia; what are the features that should not be missed in SPG11?. *Parkinsonism and Related Disorders*, **2021**, 91, 181-183	3.6	0
285	Targeted Liquid Biopsy Using Irradiation to Facilitate the Release of Cell-Free DNA from a Spatially Aimed Tumor Tissue. *Cancer Research and Treatment*, **2021**,	5.2	1
284	Comprehensive analysis of clinical, pathological, and genomic characteristics of follicular helper T-cell derived lymphomas. *Experimental Hematology and Oncology*, **2021**, 10, 33	7.8	3
283	Prospective longitudinal multi-omics study of palbociclib resistance in hormone receptor+/HER2- metastatic breast cancer.. *Journal of Clinical Oncology*, **2021**, 39, 1013-1013	2.2	1
282	Genomic characteristics of breast cancer to predict response of neoadjuvant chemotherapy and long-term prognosis.. *Journal of Clinical Oncology*, **2021**, 39, 557-557	2.2	
281	A nonsense variant leads to disruption of connexin-linked function and autosomal dominant auditory neuropathy spectrum disorder. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	6
280	The clinical efficacy of olaparib monotherapy or combination with ceralasertib (AZD6738) in relapsed small cell lung cancer.. *Journal of Clinical Oncology*, **2021**, 39, 8562-8562	2.2	0
279	Renal Cell Carcinoma-Infiltrating CD3 V9V1 T Cells Represent Potentially Novel Anti-Tumor Immune Players. *Current Issues in Molecular Biology*, **2021**, 43, 226-239	2.9	0

278	Multimodal treatments and outcomes for anaplastic thyroid cancer before and after tyrosine kinase inhibitor therapy: a real-world experience. *European Journal of Endocrinology*, **2021**, 184, 837-845	6.5	4
277	Single-cell RNA sequencing of human nail unit defines RSPO4 onychofibroblasts and SPINK6 nail epithelium. *Communications Biology*, **2021**, 4, 692	6.7	0
276	Interaction of genetic and environmental factors for body fat mass control: observational study for lifestyle modification and genotyping. *Scientific Reports*, **2021**, 11, 13180	4.9	1
275	Dynamics of circulating tumor DNA during postoperative radiotherapy in patients with residual triple-negative breast cancer following neoadjuvant chemotherapy: a prospective observational study. *Breast Cancer Research and Treatment*, **2021**, 189, 167-175	4.4	0
274	Novel KCNQ4 variants in different functional domains confer genotype- and mechanism-based therapeutics in patients with nonsyndromic hearing loss. *Experimental and Molecular Medicine*, **2021** , 53, 1192-1204	12.8	1
273	Single Cell Genomics for Tumor Heterogeneity. *Advances in Experimental Medicine and Biology*, **2021**, 1187, 205-214	3.6	
272	Potential of circulating tumor DNA as a predictor of therapeutic responses to immune checkpoint blockades in metastatic renal cell carcinoma. *Scientific Reports*, **2021**, 11, 5600	4.9	0
271	Actionability evaluation of biliary tract cancer by genome transcriptome analysis and Asian cancer knowledgebase. *Oncotarget*, **2021**, 12, 1540-1552	3.3	0
270	Characterization of DNA lesions associated with cell-free DNA by targeted deep sequencing. *BMC Medical Genomics*, **2021**, 14, 192	3.7	0
269	Enhanced eosinophil-mediated inflammation associated with antibody and complement-dependent pneumonic insults in critical COVID-19. *Cell Reports*, **2021**, 37, 109798	10.6	2
268	Early Tumor-Immune Microenvironmental Remodeling and Response to Frontline Fluoropyrimidine and Platinum Chemotherapy in Advanced Gastric Cancer.. *Cancer Discovery*, **2021**,	24.4	4
267	Single-cell RNA sequencing demonstrates the molecular and cellular reprogramming of metastatic lung adenocarcinoma. *Nature Communications*, **2020**, 11, 2285	17.4	163
266	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
265	Clinical Characteristics and Exploratory Genomic Analyses of Germline BRCA1 or BRCA2 Mutations in Breast Cancer. *Molecular Cancer Research*, **2020**, 18, 1315-1325	6.6	3
264	Targeted Exome Sequencing Provided Comprehensive Genetic Diagnosis of Congenital Anomalies of the Kidney and Urinary Tract. *Journal of Clinical Medicine*, **2020**, 9,	5.1	9
263	A Preterm Infant with Multiple Anomalies Diagnosed with Atypical CHARGE Syndrome after a Novel CHD7 Variant Confirmed Using Whole-Genome Sequencing. *Neonatology*, **2020**, 117, 374-379	4	
262	Dysregulation of cancer genes by recurrent intergenic fusions. *Genome Biology*, **2020**, 21, 166	18.3	8
261	Biomarker-driven phase 2 umbrella trial study for patients with recurrent small cell lung cancer failing platinum-based chemotherapy. *Cancer*, **2020**, 126, 4002-4012	6.4	4

260	Genetic Study in Korean Pediatric Patients with Steroid-Resistant Nephrotic Syndrome or Focal Segmental Glomerulosclerosis. *Journal of Clinical Medicine*, **2020**, 9,	5.1	6
259	POLD1 variants leading to reduced polymerase activity can cause hearing loss without syndromic features. *Human Mutation*, **2020**, 41, 913-920	4.7	1
258	Plasma cell-free DNA is a prognostic biomarker for survival in patients with aggressive non-Hodgkin lymphomas. *Annals of Hematology*, **2020**, 99, 1293-1302	3	5
257	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
256	Clinical Targeted Next-Generation sequencing Panels for Detection of Somatic Variants in Gliomas. *Cancer Research and Treatment*, **2020**, 52, 41-50	5.2	9
255	Validation of nutrient intake of smartphone application through comparison of photographs before and after meals. *Journal of Nutrition and Health*, **2020**, 53, 319	0.8	3
254	Lineage-dependent gene expression programs influence the immune landscape of colorectal cancer. *Nature Genetics*, **2020**, 52, 594-603	36.3	96
253	International Harmonization of Provisional Diagnostic Criteria for -Amplified Metastatic Colorectal Cancer Allowing for Screening by Next-Generation Sequencing Panel.. *JCO Precision Oncology*, **2020** , 4, 6-19	3.6	11
252	Junction Location Identifier (JuLI): Accurate Detection of DNA Fusions in Clinical Sequencing for Precision Oncology. *Journal of Molecular Diagnostics*, **2020**, 22, 304-318	5.1	1
251	Benefit of Targeted DNA Sequencing in Advanced Non-Small-Cell Lung Cancer Patients Without EGFR and ALK Alterations on Conventional Tests. *Clinical Lung Cancer*, **2020**, 21, e182-e190	4.9	3
250	Clinical advantage of targeted sequencing for unbiased tumor mutational burden estimation in samples with low tumor purity **2020**, 8,		2
249	Clinical characteristics of ataxia-telangiectasia presenting dystonia as a main manifestation. *Clinical Neurology and Neurosurgery*, **2020**, 199, 106267	2	3
248	Clarification of undiagnosed ataxia using whole-exome sequencing with clinical implications. *Parkinsonism and Related Disorders*, **2020**, 80, 58-64	3.6	7
247	Cancer cells undergoing epigenetic transition show short-term resistance and are transformed into cells with medium-term resistance by drug treatment. *Experimental and Molecular Medicine*, **2020**, 52, 1102-1115	12.8	5
246	Earlier-Phased Cancer Immunity Cycle Strongly Influences Cancer Immunity in Operable Never-Smoker Lung Adenocarcinoma. *IScience*, **2020**, 23, 101386	6.1	3
245	Chemotherapy induces dynamic immune responses in breast cancers that impact treatment outcome. *Nature Communications*, **2020**, 11, 6175	17.4	35
244	Tumor-promoting macrophages prevail in malignant ascites of advanced gastric cancer. *Experimental and Molecular Medicine*, **2020**, 52, 1976-1988	12.8	6
243	Application of an open-chamber multi-channel microfluidic device to test chemotherapy drugs. *Scientific Reports*, **2020**, 10, 20343	4.9	1

242	Genomic profile of MYCN non-amplified neuroblastoma and potential for immunotherapeutic strategies in neuroblastoma. *BMC Medical Genomics*, **2020**, 13, 171	3.7	2
241	Metabolic radiogenomics in lung cancer: associations between FDG PET image features and oncogenic signaling pathway alterations. *Scientific Reports*, **2020**, 10, 13231	4.9	5
240	Parallel comparison and combining effect of radiomic and emerging genomic data for prognostic stratification of non-small cell lung carcinoma patients. *Thoracic Cancer*, **2020**, 11, 2542-2551	3.2	2
239	Pan-Cancer Analysis of Alternative Lengthening of Telomere Activity. *Cancers*, **2020**, 12,	6.6	5
238	Anti-Inflammatory Actions of Soluble Ninjurin-1 Ameliorate Atherosclerosis. *Circulation*, **2020**, 142, 1736-1751	16.7	16
237	Transcriptional regulatory networks of tumor-associated macrophages that drive malignancy in mesenchymal glioblastoma. *Genome Biology*, **2020**, 21, 216	18.3	28
236	Integrative genomic analysis of salivary duct carcinoma. *Scientific Reports*, **2020**, 10, 14995	4.9	4
235	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
234	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
233	Integrative Radiogenomics Approach for Risk Assessment of Post-Operative Metastasis in Pathological T1 Renal Cell Carcinoma: A Pilot Retrospective Cohort Study. *Cancers*, **2020**, 12,	6.6	10
232	Genomic Analysis of Korean Patient With Microcephaly. *Frontiers in Genetics*, **2020**, 11, 543528	4.5	2
231	Genetic Diagnosis of Dravet Syndrome Using Next Generation Sequencing-Based Epilepsy Gene Panel Testing. *Annals of Clinical and Laboratory Science*, **2020**, 50, 625-637	0.9	1
230	Genomic scoring to determine clinical benefit of immunotherapy by targeted sequencing. *European Journal of Cancer*, **2019**, 120, 65-74	7.5	16
229	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
228	Paired genomic analysis of squamous cell carcinoma transformed from EGFR-mutated lung adenocarcinoma. *Lung Cancer*, **2019**, 134, 7-15	5.9	21
227	Paired whole exome and transcriptome analyses for the Immunogenomic changes during concurrent chemoradiotherapy in esophageal squamous cell carcinoma **2019**, 7, 128		13
226	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
225	miR-374a-5p promotes tumor progression by targeting ARRB1 in triple negative breast cancer. *Cancer Letters*, **2019**, 454, 224-233	9.9	36

224	Elucidation of Novel Therapeutic Targets for Acute Myeloid Leukemias with - Fusion. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	3
223	Intratumor heterogeneity inferred from targeted deep sequencing as a prognostic indicator. *Scientific Reports*, **2019**, 9, 4542	4.9	26
222	Performance evaluation of commercial library construction kits for PCR-based targeted sequencing using a unique molecular identifier. *BMC Genomics*, **2019**, 20, 216	4.5	5
221	Preferential Infiltration of Unique V□J□-V□ T Cells Into Glioblastoma Multiforme. *Frontiers in Immunology*, **2019**, 10, 555	8.4	12
220	Molecular alterations and poziotinib efficacy, a pan-HER inhibitor, in human epidermal growth factor receptor 2 (HER2)-positive breast cancers: Combined exploratory biomarker analysis from a phase II clinical trial of poziotinib for refractory HER2-positive breast cancer patients. *International Journal of Cancer*, **2019**, 145, 1669-1678	7.5	10
219	Clarification of glycosylphosphatidylinositol anchorage of OTOANCORIN and human OTOA variants associated with deafness. *Human Mutation*, **2019**, 40, 525-531	4.7	7
218	Distinct genomic profile and specific targeted drug responses in adult cerebellar glioblastoma. *Neuro-Oncology*, **2019**, 21, 47-58	1	19
217	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
216	Identifying SYNE1 ataxia and extending the mutational spectrum in Korea. *Parkinsonism and Related Disorders*, **2019**, 58, 74-78	3.6	5
215	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
214	Risk stratification of triple-negative breast cancer with core gene signatures associated with chemoresponse and prognosis. *Breast Cancer Research and Treatment*, **2019**, 178, 185-197	4.4	4
213	Assessment of intratumoral heterogeneity with mutations and gene expression profiles. *PLoS ONE*, **2019**, 14, e0219682	3.7	4
212	Benchmark Database for Process Optimization and Quality Control of Clinical Cancer Panel Sequencing. *Biotechnology and Bioprocess Engineering*, **2019**, 24, 793-798	3.1	1
211	The Effect of Globus Pallidus Interna Deep Brain Stimulation on a Dystonia Patient with the GNAL Mutation Compared to Patients with DYT1 and DYT6. *Journal of Movement Disorders*, **2019**, 12, 120-124	2.9	9
210	Landscape of Actionable Genetic Alterations Profiled from 1,071 Tumor Samples in Korean Cancer Patients. *Cancer Research and Treatment*, **2019**, 51, 211-222	5.2	5
209	Rare Mechanism of Acquired Resistance to Osimertinib in Korean Patients with EGFR-mutated Non-small Cell Lung Cancer. *Cancer Research and Treatment*, **2019**, 51, 408-412	5.2	11
208	Analysis of circulating tumor DNA by targeted ultra-deep sequencing across various non-Hodgkin lymphoma subtypes. *Leukemia and Lymphoma*, **2019**, 60, 2237-2246	1.9	12
207	Differential disruption of autoinhibition and defect in assembly of cytoskeleton during cell division decide the fate of human -related cytoskeletopathy. *Journal of Medical Genetics*, **2019**, 56, 818-827	5.8	7

206	Discovery of actionable genetic alterations with targeted panel sequencing in children with relapsed or refractory solid tumors. *PLoS ONE*, **2019**, 14, e0224227	3.7	3
205	Pharmacogenomic analysis of patient-derived tumor cells in gynecologic cancers. *Genome Biology*, **2019**, 20, 253	18.3	9
204	Genetic Characteristics of Korean Patients with Autosomal Dominant Polycystic Kidney Disease by Targeted Exome Sequencing. *Scientific Reports*, **2019**, 9, 16952	4.9	2
203	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
202	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
201	Biomarkers Associated with Tumor Heterogeneity in Prostate Cancer. *Translational Oncology*, **2019**, 12, 43-48	4.9	10
200	Performance evaluation method for read mapping tool in clinical panel sequencing. *Genes and Genomics*, **2018**, 40, 189-197	2.1	10
199	A clinical guidance to DFNA22 drawn from a Korean cohort study with an autosomal dominant deaf population: A retrospective cohort study. *Journal of Gene Medicine*, **2018**, 20, e3019	3.5	5
198	Inertial-ordering-assisted droplet microfluidics for high-throughput single-cell RNA-sequencing. *Lab on A Chip*, **2018**, 18, 775-784	7.2	60
197	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
196	Multi-omics profiling of younger Asian breast cancers reveals distinctive molecular signatures. *Nature Communications*, **2018**, 9, 1725	17.4	72
195	Impact of Genetic Variants on the Individual Potential for Body Fat Loss. *Nutrients*, **2018**, 10,	6.7	7
194	Utility of targeted deep sequencing for detecting circulating tumor DNA in pancreatic cancer patients. *Scientific Reports*, **2018**, 8, 11631	4.9	25
193	Molecular Characterization of Colorectal Signet-Ring Cell Carcinoma Using Whole-Exome and RNA Sequencing. *Translational Oncology*, **2018**, 11, 836-844	4.9	11
192	TP53-dependence on the effect of doxorubicin and Src inhibitor combination therapy. *Tumor Biology*, **2018**, 40, 1010428318794217	2.9	3
191	Linking transcriptional and genetic tumor heterogeneity through allele analysis of single-cell RNA-seq data. *Genome Research*, **2018**, 28, 1217-1227	9.7	90
190	International harmonization of diagnostic criteria for HER2-amplified metastatic colorectal cancer and application of targeted next-generation sequencing panel as a diagnostic method.. *Journal of Clinical Oncology*, **2018**, 36, 3594-3594	2.2	4
189	Integrated clinical and genomic data platform for translational research and precision medicine. *Proceedings for Annual Meeting of the Japanese Pharmacological Society*, **2018**, WCP2018, SY22-2	0	

188	SIDR: simultaneous isolation and parallel sequencing of genomic DNA and total RNA from single cells. *Genome Research*, **2018**, 28, 75-87	9.7	52
187	Genetic and Clinical Characteristics of Phyllodes Tumors of the Breast. *Translational Oncology*, **2018**, 11, 18-23	4.9	18
186	Hippo-mediated suppression of IRS2/AKT signaling prevents hepatic steatosis and liver cancer. *Journal of Clinical Investigation*, **2018**, 128, 1010-1025	15.9	81
185	Mutational and phenotypic spectrum of OTOF-related auditory neuropathy in Koreans: eliciting reciprocal interaction between bench and clinics. *Journal of Translational Medicine*, **2018**, 16, 330	8.5	10
184	Pharmacogenomic landscape of patient-derived tumor cells informs precision oncology therapy. *Nature Genetics*, **2018**, 50, 1399-1411	36.3	94
183	PHLI-seq: constructing and visualizing cancer genomic maps in 3D by phenotype-based high-throughput laser-aided isolation and sequencing. *Genome Biology*, **2018**, 19, 158	18.3	10
182	Clinical Relevance of Genomic Changes in Recurrent Pediatric Solid Tumors. *Translational Oncology*, **2018**, 11, 1390-1397	4.9	5
181	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
180	Genomic alterations of ground-glass nodular lung adenocarcinoma. *Scientific Reports*, **2018**, 8, 7691	4.9	6
179	Clinical implication of tumor mutational burden in patients with HER2-positive refractory metastatic breast cancer. *OncoImmunology*, **2018**, 7, e1466768	7.2	30
178	Spatiotemporal genomic architecture informs precision oncology in glioblastoma. *Nature Genetics*, **2017**, 49, 594-599	36.3	141
177	Single-cell RNA-seq enables comprehensive tumour and immune cell profiling in primary breast cancer. *Nature Communications*, **2017**, 8, 15081	17.4	459
176	A novel likely pathogenic variant in the RAB28 gene in a Korean patient with cone-rod dystrophy. *Ophthalmic Genetics*, **2017**, 38, 587-589	1.2	8
175	RNA-seq Reveals Transcriptomic Differences in Inflamed and Noninflamed Intestinal Mucosa of Crohn's Disease Patients Compared with Normal Mucosa of Healthy Controls. *Inflammatory Bowel Diseases*, **2017**, 23, 1098-1108	4.5	29
174	Allelic imbalance of somatic mutations in cancer genomes and transcriptomes. *Scientific Reports*, **2017**, 7, 1653	4.9	24
173	A molecular portrait of microsatellite instability across multiple cancers. *Nature Communications*, **2017**, 8, 15180	17.4	288
172	Development of Novel Patient-Derived Preclinical Models from Malignant Effusions in Patients with Tyrosine Kinase Inhibitor-Resistant Clear Cell Renal Cell Carcinoma. *Translational Oncology*, **2017**, 10, 304-310	4.9	2
171	Comprehensive somatic genome alterations of urachal carcinoma. *Journal of Medical Genetics*, **2017**, 54, 572-578	5.8	20

170	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
169	Identification of Pathogenic Variants in the CHM Gene in Two Korean Patients With Choroideremia. *Annals of Laboratory Medicine*, **2017**, 37, 438-442	3.1	3
168	Identification of the PROM1 Mutation p.R373C in a Korean Patient With Autosomal Dominant Stargardt-like Macular Dystrophy. *Annals of Laboratory Medicine*, **2017**, 37, 536-539	3.1	7
167	Precision medicine approaches to lung adenocarcinoma with concomitant MET and HER2 amplification. *BMC Cancer*, **2017**, 17, 535	4.8	3
166	Characterization of background noise in capture-based targeted sequencing data. *Genome Biology*, **2017**, 18, 136	18.3	41
165	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
164	Exome and transcriptome sequencing identifies loss of in metastatic colorectal cancers. *Cancer Management and Research*, **2017**, 9, 581-589	3.6	14
163	Good Laboratory Standards for Clinical Next-Generation Sequencing Cancer Panel Tests. *Journal of Pathology and Translational Medicine*, **2017**, 51, 191-204	2.9	26
162	Nonlinear tumor evolution from dysplastic nodules to hepatocellular carcinoma. *Oncotarget*, **2017**, 8, 2076-2082	3.3	5
161	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
160	Tumor Heterogeneity Predicts Metastatic Potential in Colorectal Cancer. *Clinical Cancer Research*, **2017**, 23, 7209-7216	12.9	48
159	Clinical Application of Targeted Deep Sequencing in Solid-Cancer Patients and Utility for Biomarker-Selected Clinical Trials. *Oncologist*, **2017**, 22, 1169-1177	5.7	10
158	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
157	ATP1A3 mutations can cause progressive auditory neuropathy: a new gene of auditory synaptopathy. *Scientific Reports*, **2017**, 7, 16504	4.9	29
156	Prevalence and detection of low-allele-fraction variants in clinical cancer samples. *Nature Communications*, **2017**, 8, 1377	17.4	92
155	TP53 alteration determines the combinational cytotoxic effect of doxorubicin and an antioxidant NAC. *Tumor Biology*, **2017**, 39, 1010428317700159	2.9	4
154	Korean Variant Archive (KOVA): a reference database of genetic variations in the Korean population. *Scientific Reports*, **2017**, 7, 4287	4.9	38
153	ARID1B alterations identify aggressive tumors in neuroblastoma. *Oncotarget*, **2017**, 8, 45943-45950	3.3	11

152	The Analysis of A Frequent TMPRSS3 Allele Containing P.V116M and P.V291L in A Cis Configuration among Deaf Koreans. *International Journal of Molecular Sciences*, **2017**, 18,	6.3	4
151	The implication of FLT3 amplification for FLT targeted therapeutics in solid tumors. *Oncotarget*, **2017**, 8, 3237-3245	3.3	13
150	The effect of androgen receptor expression on clinical characterization of metastatic breast cancer. *Oncotarget*, **2017**, 8, 8693-8706	3.3	5
149	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
148	Tissue recommendations for precision cancer therapy using next generation sequencing: a comprehensive single cancer center® experiences. *Oncotarget*, **2017**, 8, 42478-42486	3.3	16
147	Immune signature of metastatic breast cancer: Identifying predictive markers of immunotherapy response. *Oncotarget*, **2017**, 8, 47400-47411	3.3	17
146	Circulating tumor DNA shows variable clonal response of breast cancer during neoadjuvant chemotherapy. *Oncotarget*, **2017**, 8, 86423-86434	3.3	12
145	Patient-Derived Xenograft Models of Epithelial Ovarian Cancer for Preclinical Studies. *Cancer Research and Treatment*, **2017**, 49, 915-926	5.2	41
144	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
143	Hepatorenal fibrocystic diseases in children. *Pediatric Nephrology*, **2016**, 31, 113-9	3.2	10
142	Evaluation of somatic copy number estimation tools for whole-exome sequencing data. *Briefings in Bioinformatics*, **2016**, 17, 185-92	13.4	35
141	TERT promoter mutations and long-term survival in patients with thyroid cancer. *Endocrine-Related Cancer*, **2016**, 23, 813-23	5.7	53
140	Functional characterization of a novel loss-of-function mutation of PRPS1 related to early-onset progressive nonsyndromic hearing loss in Koreans (DFNX1): Potential implications on future therapeutic intervention. *Journal of Gene Medicine*, **2016**, 18, 353-358	3.5	8
139	Gene expression profiles of human subcutaneous and visceral adipose-derived stem cells. *Cell Biochemistry and Function*, **2016**, 34, 563-571	4.2	21
138	Molecular Evolution Patterns in Metastatic Lymph Nodes Reflect the Differential Treatment Response of Advanced Primary Lung Cancer. *Cancer Research*, **2016**, 76, 6568-6576	10.1	11
137	Paradoxical delay of senescence upon depletion of BRCA2 in telomerase-deficient worms. *FEBS Open Bio*, **2016**, 6, 1016-1024	2.7	3
136	The minimal amount of starting DNA for Agilent® hybrid capture-based targeted massively parallel sequencing. *Scientific Reports*, **2016**, 6, 26732	4.9	29
135	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

134	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 Suppl 1, 33	3.7	1
133	Predicting multi-class responses to preoperative chemoradiotherapy in rectal cancer patients. *Radiation Oncology*, **2016**, 11, 50	4.2	8
132	Clonal evolution of glioblastoma under therapy. *Nature Genetics*, **2016**, 48, 768-76	36.3	390
131	BGN Mutations in X-Linked Spondyloepimetaphyseal Dysplasia. *American Journal of Human Genetics* , **2016**, 98, 1243-1248	11	24
130	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
129	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
128	Highly Concordant Key Genetic Alterations in Primary Tumors and Matched Distant Metastases in Differentiated Thyroid Cancer. *Thyroid*, **2016**, 26, 672-82	6.2	33
127	Comprehensive genetic exploration of skeletal dysplasia using targeted exome sequencing. *Genetics in Medicine*, **2016**, 18, 563-9	8.1	14
126	Highly dense, optically inactive silica microbeads for the isolation and identification of circulating tumor cells. *Biomaterials*, **2016**, 75, 271-278	15.6	21
125	Genomic Characterization and Comparison of Multi-Regional and Pooled Tumor Biopsy Specimens. *PLoS ONE*, **2016**, 11, e0152574	3.7	8
124	Discovery of CDH23 as a Significant Contributor to Progressive Postlingual Sensorineural Hearing Loss in Koreans. *PLoS ONE*, **2016**, 11, e0165680	3.7	23
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