

Seung-Tae Lee

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.

157
papers

1,769
citations

22
h-index

36
g-index

174
ext. papers

2,292
ext. citations

3.9
avg, IF

4.7
L-index

#	Paper	IF	Citations
157	A comparative study of next-generation sequencing and fragment analysis for the detection and allelic ratio determination of FLT3 internal tandem duplication.. <i>Diagnostic Pathology</i> , 2022 , 17, 14	3	0
156	Secondary Germline CDKN2A Mutation Identified using Liquid Biopsy in a Patient with Esophageal Cancer. <i>Laboratory Medicine Online</i> , 2022 , 12, 63-67	0.2	
155	Derivation of YCMi005-A, a human-induced pluripotent stem cell line, from a patient with dilated cardiomyopathy carrying missense variant in TPM1 (p. Glu192Lys).. <i>Stem Cell Research</i> , 2022 , 60, 102707	1.6	0
154	Targeted next generation sequencing of circulating tumor DNA provides prognostic information for management in breast cancer patients.. <i>Annals of Translational Medicine</i> , 2022 , 10, 28	3.2	0
153	Concomitant Diagnosis of Primary Bone Marrow B-Cell Non-Hodgkin Lymphoma and Essential Thrombocythemia: A Case Report. <i>Annals of Laboratory Medicine</i> , 2022 , 42, 282-285	3.1	
152	Application of CRISPR/Cas9-based mutant enrichment technique to improve the clinical sensitivity of plasma EGFR testing in patients with non-small cell lung cancer.. <i>Cancer Cell International</i> , 2022 , 22, 82	6.4	0
151	De novo HCN1 Mutation Identified by Next-Generation Sequencing in a Patient with Early Infantile Epileptic Encephalopathy: Case Report. <i>Laboratory Medicine Online</i> , 2022 , 12, 134-137	0.2	0
150	Cytogenetic testing by fluorescence in situ hybridization is improved by plasma cell sorting in multiple myeloma.. <i>Scientific Reports</i> , 2022 , 12, 8287	4.9	0
149	Generation of a human induced pluripotent stem cell line YCMi004-A from a patient with dilated cardiomyopathy carrying a protein-truncating mutation of the Titin gene and its differentiation towards cardiomyocytes.. <i>Stem Cell Research</i> , 2021 , 59, 102629	1.6	0
148	The Role of Ion Channel-Related Genes in Autism Spectrum Disorder: A Study Using Next-Generation Sequencing. <i>Frontiers in Genetics</i> , 2021 , 12, 595934	4.5	1
147	Serial Detection of L265P Mutation in the Aqueous Humor of a Patient with Vitreoretinal Lymphoma for Disease Monitoring. <i>Ocular Immunology and Inflammation</i> , 2021 , 29, 485-489	2.8	5
146	Recurrent somatic mutations and low germline predisposition mutations in Korean ALL patients. <i>Scientific Reports</i> , 2021 , 11, 8893	4.9	0
145	Analysis of BRCA1/2 variants of unknown significance in the prospective Korean Hereditary Breast Cancer study. <i>Scientific Reports</i> , 2021 , 11, 8485	4.9	2
144	M323V Syndrome Presents with Infantile Nystagmus. <i>Genes</i> , 2021 , 12,	4.2	1
143	Disparate treatment outcomes according to presence of pathogenic mutations in West syndrome. <i>Epilepsia</i> , 2021 , 62, 1656-1664	6.4	1
142	Real-world data on the survival outcome of patients with newly diagnosed Waldenström macroglobulinemia. <i>Korean Journal of Internal Medicine</i> , 2021 , 36, 668-678	2.5	1
141	Report of the Korean Association of External Quality Assessment Service on Next-Generation Sequencing Analysis for Somatic Variants (2018-2020). <i>Journal of Laboratory Medicine and Quality Assurance</i> , 2021 , 43, 65-71	0.6	

140	In Silico identification of a common mobile element insertion in exon 4 of RP1. <i>Scientific Reports</i> , 2021 , 11, 13381	4.9	
139	A Case of Spontaneous Regression and Recurrence of Primary Vitreoretinal Lymphoma. <i>Ocular Immunology and Inflammation</i> , 2021 , 1-4	2.8	
138	Prevalence of cancer susceptibility variants in patients with multiple Lynch syndrome related cancers. <i>Scientific Reports</i> , 2021 , 11, 14807	4.9	1
137	Clinical characteristics of KCNQ2 encephalopathy. <i>Brain and Development</i> , 2021 , 43, 244-250	2.2	7
136	Standards and Guidelines for Reporting Diagnostic Test Results in Acute Leukemia Patients: Bone Marrow Examination, Flow Cytometry, and Cytogenetic/Molecular Genetics Tests. <i>Laboratory Medicine Online</i> , 2021 , 11, 1-10	0.2	1
135	Eif2b3 mutants recapitulate phenotypes of vanishing white matter disease and validate novel disease alleles in zebrafish. <i>Human Molecular Genetics</i> , 2021 , 30, 331-342	5.6	1
134	Low CtBP2 expression is associated with a stem cell-like signature and adverse clinical outcome in childhood B-cell lymphoblastic leukemia. <i>Leukemia</i> , 2021 , 35, 2684-2687	10.7	
133	Chimerism Assay Using Single Nucleotide Polymorphisms Adjacent and in Linkage-Disequilibrium Enables Sensitive Disease Relapse Monitoring after Hematopoietic Stem-Cell Transplantation. <i>Clinical Chemistry</i> , 2021 , 67, 781-787	5.5	0
132	DYNC2H1 variants cause Leber congenital amaurosis without syndromic features. <i>Clinical Genetics</i> , 2021 , 100, 111-113	4	1
131	Expanding the Non-Invasive Diagnosis of Acute Rejection in Kidney Transplants Through Detection of Donor-Derived DNA in Urine: Proof-of-Concept Study. <i>Annals of Laboratory Medicine</i> , 2021 , 41, 469-478 ¹	3.1	
130	Differential genetic diagnoses of adult post-lingual hearing loss according to the audiogram pattern and novel candidate gene evaluation. <i>Human Genetics</i> , 2021 , 1	6.3	2
129	Establishment of a novel human iPSC line (YCMi003-A) from a patient with dilated cardiomyopathy carrying genetic variant LMNA p.Asp364His. <i>Stem Cell Research</i> , 2021 , 56, 102508	1.6	1
128	Status of Next-Generation Sequencing-Based Genetic Diagnosis in Hematologic Malignancies in Korea (2017-2018). <i>Laboratory Medicine Online</i> , 2021 , 11, 25-31	0.2	
127	Next-Generation Sequencing in Korean Children With Autism Spectrum Disorder and Comorbid Epilepsy. <i>Frontiers in Pharmacology</i> , 2020 , 11, 585	5.6	3
126	Targeted gene panel sequencing in early infantile onset developmental and epileptic encephalopathy. <i>Brain and Development</i> , 2020 , 42, 438-448	2.2	12
125	Reanalysis of Genomic Sequencing Results in a Clinical Laboratory: Advantages and Limitations. <i>Frontiers in Neurology</i> , 2020 , 11, 612	4.1	2
124	Genetic diagnosis and clinical characteristics by etiological classification in early-onset epileptic encephalopathy with burst suppression pattern. <i>Epilepsy Research</i> , 2020 , 163, 106323	3	5
123	Whole exome sequencing identifies mutational signatures of vitreoretinal lymphoma. <i>Haematologica</i> , 2020 , 105, e458-460	6.6	8

122	The phenotype and treatment of SCN2A-related developmental and epileptic encephalopathy. <i>Epileptic Disorders</i> , 2020 , 22, 563-570	1.9	3
121	Copy number variations and multiallelic variants in Korean patients with Leber congenital amaurosis. <i>Molecular Vision</i> , 2020 , 26, 26-35	2.3	8
120	Guidelines for Laboratory Diagnosis of Coronavirus Disease 2019 (COVID-19) in Korea. <i>Annals of Laboratory Medicine</i> , 2020 , 40, 351-360	3.1	199
119	Genetic Analysis and Clinical Characteristics of Hereditary Pheochromocytoma and Paraganglioma Syndrome in Korean Population. <i>Endocrinology and Metabolism</i> , 2020 , 35, 858-872	3.5	4
118	Detection of recurrent, rare, and novel gene fusions in patients with acute leukemia using next-generation sequencing approaches. <i>Hematological Oncology</i> , 2020 , 38, 82-88	1.3	8
117	Changes in DNA methylation after 6-week exercise training in colorectal cancer survivors: A preliminary study. <i>Asia-Pacific Journal of Clinical Oncology</i> , 2020 ,	1.9	2
116	Analytical validation of the droplet digital PCR assay for diagnosis of spinal muscular atrophy. <i>Clinica Chimica Acta</i> , 2020 , 510, 787-789	6.2	6
115	SLC38A8 mutations result in arrested retinal development with loss of cone photoreceptor specialization. <i>Human Molecular Genetics</i> , 2020 , 29, 2989-3002	5.6	10
114	Genetic heterogeneity and prognostic impact of recurrent ANK2 and TP53 mutations in mantle cell lymphoma: a multi-centre cohort study. <i>Scientific Reports</i> , 2020 , 10, 13359	4.9	2
113	The proliferative history shapes the DNA methylome of B-cell tumors and predicts clinical outcome. <i>Nature Cancer</i> , 2020 , 1, 1066-1081	15.4	11
112	Prevalence and clinical implications of germline predisposition gene mutations in patients with acute myeloid leukemia. <i>Scientific Reports</i> , 2020 , 10, 14297	4.9	9
111	Fusobacterium nucleatum in biopsied tissues from colorectal cancer patients and alcohol consumption in Korea. <i>Scientific Reports</i> , 2020 , 10, 19915	4.9	5
110	Clinical Implementation of Targeted Gene Sequencing for Malformation of Cortical Development. <i>Pediatric Neurology</i> , 2020 , 103, 27-34	2.9	0
109	Newborn hereditary elliptocytosis confirmed by familial genetic testing. <i>International Journal of Laboratory Hematology</i> , 2020 , 42, e20-e22	2.5	2
108	Targeted panel sequencing identifies a novel mutations in a patient with Bosch-Boonstra-Schaaf optic atrophy syndrome. <i>Ophthalmic Genetics</i> , 2019 , 40, 359-361	1.2	6
107	Missed Heterozygous Deletion in Study of Next-Generation Sequencing for Molecular Diagnosis in Patients With Infantile Nystagmus Syndrome. <i>JAMA Ophthalmology</i> , 2019 , 137, 1465-1466	3.9	2
106	Clinical Significance of Revised Banff Criteria in the Diagnosis of Antibody-Mediated Rejection. <i>Transplantation Proceedings</i> , 2019 , 51, 1488-1490	1.1	
105	Clinical utility of targeted NGS panel with comprehensive bioinformatics analysis for patients with acute lymphoblastic leukemia. <i>Leukemia and Lymphoma</i> , 2019 , 60, 3138-3145	1.9	4

104	Somatic mosaic truncating mutations of PPM1D in blood can result from expansion of a mutant clone under selective pressure of chemotherapy. <i>PLoS ONE</i> , 2019 , 14, e0217521	3.7	5
103	TheTECTA mutation R1890C is identified as one of the causes of genetic hearing loss: a case report. <i>BMC Medical Genetics</i> , 2019 , 20, 57	2.1	2
102	Systematic evaluation of gene variants linked to hearing loss based on allele frequency threshold and filtering allele frequency. <i>Scientific Reports</i> , 2019 , 9, 4583	4.9	9
101	Targeted next generation sequencing can serve as an alternative to conventional tests in myeloid neoplasms. <i>PLoS ONE</i> , 2019 , 14, e0212228	3.7	8
100	Proband-Only Clinical Exome Sequencing for Neurodevelopmental Disabilities. <i>Pediatric Neurology</i> , 2019 , 99, 47-54	2.9	5
99	A Somatic p.Phe29del Mutation of Connexin 26 (GJB2) Manifesting as Acantholytic Dyskeratotic Epidermal Nevus. <i>JAMA Dermatology</i> , 2019 , 155, 633-635	5.1	2
98	Korean Society for Genetic Diagnostics Guidelines for Validation of Next-Generation Sequencing-Based Somatic Variant Detection in Hematologic Malignancies. <i>Annals of Laboratory Medicine</i> , 2019 , 39, 515-523	3.1	5
97	Next-generation sequencing with comprehensive bioinformatics analysis facilitates somatic mosaic APC gene mutation detection in patients with familial adenomatous polyposis. <i>BMC Medical Genomics</i> , 2019 , 12, 103	3.7	12
96	Mutant Thr95Ile Transthyretin-Related Cardiac Amyloidosis With Polyneuropathy. <i>Circulation Journal</i> , 2019 , 83, 2328	2.9	
95	Genetic and clinical features of SCN8A developmental and epileptic encephalopathy. <i>Epilepsy Research</i> , 2019 , 158, 106222	3	8
94	Trends in contralateral prophylactic mastectomy rate according to clinicopathologic and socioeconomic status. <i>Annals of Surgical Treatment and Research</i> , 2019 , 97, 113-118	2	3
93	Diagnostic Challenge: Primary Bone Marrow Diffuse Large B-cell Lymphoma Mimicking Systemic Autoimmune Diseases. <i>Laboratory Medicine Online</i> , 2019 , 9, 242	0.2	
92	Exploring the Prevalence of Clozapine Phenotypic Poor Metabolizers in 4 Asian Samples: They Ranged Between 2% and 13. <i>Journal of Clinical Psychopharmacology</i> , 2019 , 39, 644-648	1.7	18
91	A Child With Lymphangioma Due to Somatic Mutation in PIK3CA Successfully Treated With Everolimus. <i>Pediatric Neurology</i> , 2019 , 91, 65-67	2.9	2
90	Internal Tandem Duplication in Patients With Acute Myeloid Leukemia Is Readily Detectable in a Single Next-Generation Sequencing Assay Using the Pindel Algorithm. <i>Annals of Laboratory Medicine</i> , 2019 , 39, 327-329	3.1	9
89	Clinical Evaluation of Massively Parallel RNA Sequencing for Detecting Recurrent Gene Fusions in Hematologic Malignancies. <i>Journal of Molecular Diagnostics</i> , 2019 , 21, 163-170	5.1	23
88	Difference in Risk of Breast and Ovarian Cancer According to Putative Functional Domain Regions in Korean BRCA1/2 Mutation Carriers. <i>Clinical Breast Cancer</i> , 2018 , 18, 362-373.e1	3	3
87	SNP-based next-generation sequencing reveals low-level mixed chimerism after allogeneic hematopoietic stem cell transplantation. <i>Annals of Hematology</i> , 2018 , 97, 1731-1734	3	9

86	Targeted gene panel and genotype-phenotype correlation in children with developmental and epileptic encephalopathy. <i>Epilepsy Research</i> , 2018 , 141, 48-55	3	49
85	Efficient strategy for the molecular diagnosis of intractable early-onset epilepsy using targeted gene sequencing. <i>BMC Medical Genomics</i> , 2018 , 11, 6	3.7	29
84	A patient with B-cell acute lymphoblastic leukemia with PAX5-ETV6 rearrangement with dic(9;12)(p13;p13) identified by chromosomal microarray. <i>Annals of Hematology</i> , 2018 , 97, 1505-1507	3	
83	The Efficacy of Ketogenic Diet for Specific Genetic Mutation in Developmental and Epileptic Encephalopathy. <i>Frontiers in Neurology</i> , 2018 , 9, 530	4.1	27
82	Variants of cancer susceptibility genes in Korean BRCA1/2 mutation-negative patients with high risk for hereditary breast cancer. <i>BMC Cancer</i> , 2018 , 18, 83	4.8	16
81	Deletion of 20p13 and Duplication of 20p13p12.3 in a Patient with Delayed Speech and Development. <i>Annals of Laboratory Medicine</i> , 2018 , 38, 77-79	3.1	1
80	Detection of Germline Mutations in Patients with Epithelial Ovarian Cancer Using Multi-gene Panels: Beyond BRCA1/2. <i>Cancer Research and Treatment</i> , 2018 , 50, 917-925	5.2	22
79	Comprehensive Sequencing Identifies High Frequency of Copy Number Changes in Korean Patients with Acute Lymphoblastic Leukemia. <i>Blood</i> , 2018 , 132, 5166-5166	2.2	
78	Status of BRCA1/2 Genetic Testing Practices in Korea (2014). <i>Laboratory Medicine Online</i> , 2018 , 8, 107	0.2	1
77	Distinct Clinical Courses of Epithelial Ovarian Cancer with Mutations in 5' and 3' Exons. <i>Anticancer Research</i> , 2018 , 38, 6947-6953	2.3	3
76	Efficacy of Stiripentol in Dravet Syndrome with or without SCN1A Mutations. <i>Journal of Clinical Neurology (Korea)</i> , 2018 , 14, 22-28	1.7	14
75	Application of Multiplex Ligation-Dependent Probe Amplification Assay for Genotyping Major Blood Group Systems Including DEL Variants in the D-Negative Korean Population. <i>Annals of Laboratory Medicine</i> , 2018 , 38, 32-38	3.1	5
74	BRCA1 and BRCA2 mutation predictions using the BRCAPRO and Myriad models in Korean ovarian cancer patients. <i>Gynecologic Oncology</i> , 2017 , 145, 137-141	4.9	10
73	Telomere length in alcohol dependence: A role for impulsive choice and childhood maltreatment. <i>Psychoneuroendocrinology</i> , 2017 , 83, 72-78	5	10
72	Mowat-Wilson syndrome presenting with fever-associated seizures. <i>Epileptic Disorders</i> , 2017 , 19, 481-485.	0.9	2
71	Accuracy of Next-Generation Sequencing for Molecular Diagnosis in Patients With Infantile Nystagmus Syndrome. <i>JAMA Ophthalmology</i> , 2017 , 135, 1376-1385	3.9	27
70	The effect of trauma and PTSD on telomere length: An exploratory study in people exposed to combat trauma. <i>Scientific Reports</i> , 2017 , 7, 4375	4.9	16
69	Detection of Immunoglobulin Heavy Chain Gene Clonality by Next-Generation Sequencing for Minimal Residual Disease Monitoring in B-Lymphoblastic Leukemia. <i>Annals of Laboratory Medicine</i> , 2017 , 37, 331-335	3.1	11

68	Validation and optimization of the Ion Torrent S5 XL sequencer and OncoPrint workflow for BRCA1 and BRCA2 genetic testing. <i>Oncotarget</i> , 2017 , 8, 34858-34866	3.3	27
67	Diagnostic application of clinical exome sequencing in Leber congenital amaurosis. <i>Molecular Vision</i> , 2017 , 23, 649-659	2.3	12
66	Comparison of Clinical Outcomes of Pathologic Mutation, Variants of Unknown Significance, or Wild Type Epithelial Ovarian Cancer Patients. <i>Cancer Research and Treatment</i> , 2017 , 49, 408-415	5.2	16
65	Identification of a Novel BRCA1 Pathogenic Mutation in Korean Patients Following Reclassification of BRCA1 and BRCA2 Variants According to the ACMG Standards and Guidelines Using Relevant Ethnic Controls. <i>Cancer Research and Treatment</i> , 2017 , 49, 1012-1021	5.2	20
64	Two cases of in-frame deletion mutation in juxtamembrane domain of the FLT3. <i>Leukemia and Lymphoma</i> , 2016 , 57, 486-488	1.9	2
63	Genetic contribution to variation in DNA methylation at maternal smoking-sensitive loci in exposed neonates. <i>Epigenetics</i> , 2016 , 11, 664-673	5.7	23
62	Genome-wide CpG island methylation and intergenic demethylation propensities vary among different tumor sites. <i>Nucleic Acids Research</i> , 2016 , 44, 1105-17	20.1	34
61	Clinical Implications of Genetic Testing for Hereditary Breast and Ovarian Cancer Syndrome in the Era of Genomic Medicine: Clinician's Perspectives. <i>Journal of Breast Disease</i> , 2016 , 4, 1-9	0.3	3
60	Mutation profiling of 19 candidate genes in acute myeloid leukemia suggests significance of DNMT3A mutations. <i>Oncotarget</i> , 2016 , 7, 54825-54837	3.3	17
59	Usefulness of Flow Cytometric Analysis for Detecting Leptomeningeal Diseases in Non-Hodgkin Lymphoma. <i>Annals of Laboratory Medicine</i> , 2016 , 36, 209-14	3.1	4
58	Isolated 9p Duplication With der(Y)t(Y;9)(q12;p13.2) in a Male Patient With Cardiac Defect and Mental Retardation Confirmed by Chromosomal Microarray. <i>Annals of Laboratory Medicine</i> , 2016 , 36, 191-3	3.1	1
57	An 18.3-Mb Duplication on Chromosome 14q With Multiple Cardiac Anomalies and Clubfoot Was Identified by Microarray Analysis. <i>Annals of Laboratory Medicine</i> , 2016 , 36, 194-6	3.1	3
56	Frequency and Clinical Characteristics of Intrachromosomal Amplification of Chromosome 21 in Korean Childhood B-lineage Acute Lymphoblastic Leukemia. <i>Annals of Laboratory Medicine</i> , 2016 , 36, 475-80	3.1	4
55	Chronic Myeloid Leukemia With Rare Variant b2a3 (e13a3) BCR-ABL1 Fusion. <i>Annals of Laboratory Medicine</i> , 2016 , 36, 287-9	3.1	7
54	t(12;17)(p13;q12)/TAF15-ZNF384 Rearrangement in Acute Lymphoblastic Leukemia. <i>Annals of Laboratory Medicine</i> , 2016 , 36, 396-8	3.1	7
53	Detection of MYD88 L265P in patients with lymphoplasmacytic lymphoma/Waldenstrom macroglobulinemia and other B-cell non-Hodgkin lymphomas. <i>Blood Research</i> , 2016 , 51, 181-186	1.4	8
52	Genetic Characteristics of Polycythemia Vera and Essential Thrombocythemia in Korean Patients. <i>Journal of Clinical Laboratory Analysis</i> , 2016 , 30, 1061-1070	3	
51	Evaluation of an amplicon-based next-generation sequencing panel for detection of BRCA1 and BRCA2 genetic variants. <i>Breast Cancer Research and Treatment</i> , 2016 , 158, 433-40	4.4	4

50	Mutant Enrichment with 3'-Modified Oligonucleotides (MEMO)-Quantitative PCR for Detection of NPM1 Mutations in Acute Myeloid Leukemia. <i>Journal of Clinical Laboratory Analysis</i> , 2015 , 29, 361-5	3	2
49	Epigenetic remodeling in B-cell acute lymphoblastic leukemia occurs in two tracks and employs embryonic stem cell-like signatures. <i>Nucleic Acids Research</i> , 2015 , 43, 2590-602	20.1	26
48	A case of CD5-positive mature B-cell neoplasm with t(10;14)(q24;q11.2) and trisomy 12. <i>Leukemia and Lymphoma</i> , 2015 , 56, 1550-1	1.9	
47	A subset of CD45+/CD19 - cells in bone marrow may be associated with clinical outcomes of patients with mantle cell lymphoma. <i>Leukemia and Lymphoma</i> , 2015 , 56, 3052-7	1.9	3
46	Antigen Expression Patterns of Plasma Cell Myeloma: An Association of Cytogenetic Abnormality and International Staging System (ISS) for Myeloma. <i>Journal of Clinical Laboratory Analysis</i> , 2015 , 29, 505-10	3	5
45	NOTCH2 missplicing can occur in relation to apoptosis. <i>Blood</i> , 2015 , 126, 1731-2	2.2	0
44	First report on familial hemophagocytic lymphohistiocytosis with an abnormal immunophenotype and T cell monoclonality in Korea. <i>Annals of Laboratory Medicine</i> , 2015 , 35, 155-8	3.1	3
43	Simultaneous occurrence of angioimmunoblastic T-cell lymphoma and plasma cell leukemia. <i>Annals of Laboratory Medicine</i> , 2015 , 35, 149-51	3.1	1
42	Two cases of acute lymphoblastic leukemia with an e1a3 BCR-ABL1 fusion transcript. <i>Annals of Laboratory Medicine</i> , 2015 , 35, 159-61	3.1	8
41	Bone marrow flow cytometry in staging of patients with B-cell non-Hodgkin lymphoma. <i>Annals of Laboratory Medicine</i> , 2015 , 35, 187-93	3.1	12
40	BRAF V600E and MAP2K1 mutations in hairy cell leukemia and splenic marginal zone lymphoma cases. <i>Annals of Laboratory Medicine</i> , 2015 , 35, 257-9	3.1	5
39	Identification of Mixed Lineage Leukemia Gene (MLL)/MLLT10 Fusion Transcripts by Reverse Transcription-PCR and Sequencing in a Case of AML With a FISH-Negative Cryptic MLL Rearrangement. <i>Annals of Laboratory Medicine</i> , 2015 , 35, 469-71	3.1	3
38	Whole-genome fingerprint of the DNA methylome during human B cell differentiation. <i>Nature Genetics</i> , 2015 , 47, 746-56	36.3	209
37	Periconceptual folate consumption is associated with neonatal DNA methylation modifications in neural crest regulatory and cancer development genes. <i>Epigenetics</i> , 2015 , 10, 1166-76	5.7	30
36	Challenges in assessing pathogenicity based on frequency of variants in mismatch repair genes: an extreme case of a MSH2 variant and a meta-analysis. <i>Gene</i> , 2014 , 546, 421-4	3.8	3
35	Interaction of allergy history and antibodies to specific varicella-zoster virus proteins on glioma risk. <i>International Journal of Cancer</i> , 2014 , 134, 2199-210	7.5	11
34	Molecular characterization of near-complete trisomy 17p syndrome from inverted duplication in association with cryptic deletion of 17pter. <i>Gene</i> , 2014 , 537, 343-7	3.8	2
33	Clinical application of catalytically cleavable fluorescence probe technology for multiplexing quantification of BCR-ABL1 fusion transcripts. <i>Clinica Chimica Acta</i> , 2014 , 428, 72-76	6.2	2

32	Molecular characterization and clinical course of MLL-ACTN4 rearrangement in therapy-related hematologic malignancies. <i>Haematologica</i> , 2014 , 99, e49-51	6.6	5
31	Molecular characterization and clinical impact of t(11;15)(q23;q14-15) MLL-CASC5 rearrangement. <i>Haematologica</i> , 2014 , 99, e11-3	6.6	7
30	The first Korean case of childhood acute myeloid leukemia with inv(11)(p15q22)/NUP98-DDX10 rearrangement: a rare but recurrent genetic abnormality. <i>Annals of Laboratory Medicine</i> , 2014 , 34, 478-80 ^{2.1}	2.1	80
29	Acute lymphoblastic leukemia with mature B-cell phenotype and t(9;11;11)(p22;q23;p11.2): a case study and literature review. <i>Annals of Laboratory Medicine</i> , 2014 , 34, 166-9	3.1	5
28	A cryptic ETV6/ABL1 rearrangement represents a unique fluorescence in situ hybridization signal pattern in a patient with B acute lymphoblastic leukemia. <i>Annals of Laboratory Medicine</i> , 2014 , 34, 475-7 ^{3.1}	3.1	6
27	Analysis of acute myeloid leukemia in Korean patients with sole trisomy 6. <i>Annals of Laboratory Medicine</i> , 2014 , 34, 402-4	3.1	2
26	PTPRG inhibition by DNA methylation and cooperation with RAS gene activation in childhood acute lymphoblastic leukemia. <i>International Journal of Cancer</i> , 2014 , 135, 1101-9	7.5	11
25	Distinct frequencies and mutation spectrums of genetic thrombophilia in Korea in comparison with other Asian countries both in patients with thromboembolism and in the general population. <i>Haematologica</i> , 2014 , 99, 561-9	6.6	33
24	Thalidomide, cyclophosphamide and dexamethasone induction therapy: feasibility for myeloma patients destined for autologous stem cell transplantation. <i>Acta Haematologica</i> , 2014 , 132, 226-32	2.7	6
23	Clinical Relevance of CD45+/CD19- Stem-like Tumor Cells in Patients with Mantle Cell Lymphoma: A Single Center Experience. <i>Blood</i> , 2014 , 124, 1622-1622	2.2	
22	Characterization of the DNA Methylome during Human B-Cell Differentiation. <i>Blood</i> , 2014 , 124, 4346-4346		
21	Associations of single nucleotide polymorphisms related to insulin resistance with polycystic ovary syndrome. <i>Annals of Clinical and Laboratory Science</i> , 2014 , 44, 277-82	0.9	2
20	Sequential array comparative genomic hybridization analysis identifies copy number changes during blastic transformation of chronic myeloid leukemia. <i>Leukemia Research</i> , 2012 , 36, 418-21	2.7	11
19	Clinical implication of highly sensitive detection of the BRAF V600E mutation in fine-needle aspirations of thyroid nodules: a comparative analysis of three molecular assays in 4585 consecutive cases in a BRAF V600E mutation-prevalent area. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2012 , 97, 2299-306	5.6	78
18	Identification of a rare 3 bp BRAF gene deletion in a thyroid nodule by mutant enrichment with 3'-modified oligonucleotides polymerase chain reaction. <i>Annals of Laboratory Medicine</i> , 2012 , 32, 238-41 ^{3.1}	3.1	11
17	A global DNA methylation and gene expression analysis of early human B-cell development reveals a demethylation signature and transcription factor network. <i>Nucleic Acids Research</i> , 2012 , 40, 11339-51 ^{20.1}	20.1	79
16	Association study of 27 annotated genes for clozapine pharmacogenetics: validation of preexisting studies and identification of a new candidate gene, ABCB1, for treatment response. <i>Journal of Clinical Psychopharmacology</i> , 2012 , 32, 441-8	1.7	48
15	Association of a single nucleotide polymorphism near the interleukin-28B gene with response to hepatitis C therapy in Asian patients. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2011 , 26, 1374-9	4	28

14	Molecular screening of the TSH receptor (TSHR) and thyroid peroxidase (TPO) genes in Korean patients with nonsyndromic congenital hypothyroidism. <i>Clinical Endocrinology</i> , 2011 , 75, 715-21	3.4	27
13	Mutant enrichment with 3'-modified oligonucleotides a practical PCR method for detecting trace mutant DNAs. <i>Journal of Molecular Diagnostics</i> , 2011 , 13, 657-68	5.1	29
12	Molecular detection of tyrosine hydroxylase in the peripheral blood of patients with neuroblastoma: useful at diagnosis but not predictive of subsequent relapse during off-therapy follow-up. <i>Pediatric Hematology and Oncology</i> , 2011 , 28, 16-23	1.7	1
11	Multiplex ligation-dependent probe amplification screening of isolated increased HbF levels revealed three cases of novel rearrangements/deletions in the beta-globin gene cluster. <i>British Journal of Haematology</i> , 2010 , 148, 154-60	4.5	16
10	Discrepancy in genotyping of apolipoprotein E between allele-specific PCR and fluorescence resonance energy transfer or sequencing. <i>Annals of Laboratory Medicine</i> , 2010 , 30, 325-8	3.1	3
9	Measurement of tyrosine hydroxylase transcripts in bone marrow using biopsied tissue instead of aspirates for neuroblastoma. <i>Pediatric Blood and Cancer</i> , 2010 , 55, 273-8	3	3
8	Clinical and genetic analysis of Korean patients with congenital insensitivity to pain with anhidrosis. <i>Muscle and Nerve</i> , 2009 , 40, 855-9	3.4	20
7	Determination of pharmacokinetic properties of clozapine and norclozapine in Korean schizophrenia patients. <i>International Clinical Psychopharmacology</i> , 2009 , 24, 139-44	2.2	22
6	Clinical features and mutations in the ENG, ACVRL1, and SMAD4 genes in Korean patients with hereditary hemorrhagic telangiectasia. <i>Journal of Korean Medical Science</i> , 2009 , 24, 69-76	4.7	8
5	Identification of an Arg35X mutation in the PDCD10 gene in a patient with cerebral and multiple spinal cavernous malformations. <i>Journal of the Neurological Sciences</i> , 2008 , 267, 177-81	3.2	16
4	Mutation analysis of PAH gene and characterization of a recurrent deletion mutation in Korean patients with phenylketonuria. <i>Experimental and Molecular Medicine</i> , 2008 , 40, 533-40	12.8	21
3	A novel COL3A1 gene mutation in patient with aortic dissected aneurysm and cervical artery dissections. <i>Heart and Vessels</i> , 2008 , 23, 144-8	2.1	7
2	Effect of mesenchymal stem cell transplantation on the engraftment of human hematopoietic stem cells and leukemic cells in mice model. <i>International Journal of Hematology</i> , 2008 , 87, 327-37	2.3	16
1	Effects of 7 hemoglobin variants on the measurement of glycohemoglobin by 14 analytical methods. <i>Clinical Chemistry</i> , 2007 , 53, 2202-5	5.5	28