Hyung-Doo Park

List of Publications by Year
in descending order

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110 papers	1,324 citations	471061 17 h-index	433756 31 g-index
114 all docs	114 docs citations	114 times ranked	2558 citing authors

#	Article	IF	Citations
1	False-Positive Interferences of Common Urine Drug Screen Immunoassays: A Review. Journal of Analytical Toxicology, 2014, 38, 387-396.	1.7	250
2	Non-alcoholic fatty liver disease and progression of coronary artery calcium score: a retrospective cohort study. Gut, 2017, 66, 323-329.	6.1	125
3	DUOX2 Mutations Are Frequently Associated With Congenital Hypothyroidism in the Korean Population. Annals of Laboratory Medicine, 2016, 36, 145-153.	1.2	60
4	Steroid profiling for congenital adrenal hyperplasia by tandem mass spectrometry as a second-tier test reduces follow-up burdens in a tertiary care hospital: A retrospective and prospective evaluation. Journal of Perinatal Medicine, 2014, 42, 121-127.	0.6	44
5	A simple and rapid analytical method based on solid-phase extraction and liquid chromatographyâ€“tandem mass spectrometry for the simultaneous determination of free catecholamines and metanephrines in urine and its application to routine clinical analysis. Clinical Biochemistry, 2016, 49, 573-579.	0.8	36
6	Serum CA19-9, cathepsin D, and matrix metalloproteinase-7 as a diagnostic panel for pancreatic ductal adenocarcinoma. Proteomics, 2012, 12, 3590-3597.	1.3	35
7	Large-scale clinical validation of biomarkers for pancreatic cancer using a mass spectrometry-based proteomics approach. Oncotarget, 2017, 8, 42761-42771.	0.8	34
8	Evaluation of vitamin status in patients with pulmonary tuberculosis. Journal of Infection, 2017, 74, 272-280.	1.7	28
9	Dried Blood Spot Testing for Seven Steroids Using Liquid Chromatography-Tandem Mass Spectrometry With Reference Interval Determination in the Korean Population. Annals of Laboratory Medicine, 2015, 35, 578-585.	1.2	26
10	Molecular genetics of citrullinemia types I and II. Clinica Chimica Acta, 2014, 431, 1-8.	0.5	25
11	A Population-Based Genomic Study of Inherited Metabolic Disaeases Detected Through Newborn Screening. Annals of Laboratory Medicine, 2016, 36, 561-572.	1.2	23
12	Current Status of Clinical Application of Point-of-Care Testing. Archives of Pathology and Laboratory Medicine, 2021, 145, 168-175.	1.2	22
13	Gene mutations in the Ras pathway and the prognostic implication in Korean patients with juvenile myelomonocytic leukemia. Annals of Hematology, 2012, 91, 511-517.	0.8	21
14	Comparison of Different Time of Flight-Mass Spectrometry Modes for Small Molecule Quantitative Analysis. Journal of Analytical Toxicology, 2015, 39, 675-685.	1.7	20
15	Dried Blood Spot Multiplexed Steroid Profiling Using Liquid Chromatography Tandem Mass Spectrometry in Korean Neonates. Annals of Laboratory Medicine, 2019, 39, 263-270.	1.2	20
16	Novel SLC37A4 Mutations in Korean Patients With Glycogen Storage Disease Ib. Annals of Laboratory Medicine, 2017, 37, 261-266.	1.2	18
17	Assessment of 7 trace elements in serum of patients with nontuberculous mycobacterial lung disease. Journal of Trace Elements in Medicine and Biology, 2019, 53, 84-90.	1.5	18
18	Evaluation of alpha-fetoprotein as a screening marker for hepatocellular carcinoma in hepatitis prevalent areas. Annals of Hepatology, 2015, 14, 881-887.	0.6	17

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19	PHKA2 mutation spectrum in Korean patients with glycogen storage disease type IX: prevalence of deletion mutations. BMC Medical Genetics, 2016, 17, 33.	2.1	16
20	Multiplex ligation-dependent probe amplification assay for diagnosis of congenital adrenal hyperplasia. Annals of Clinical and Laboratory Science, 2011, 41, 44-7.	0.2	16
21	The molecular basis of UDP-galactose-4-epimerase (GALE) deficiency galactosemia in Korean patients. Genetics in Medicine, 2005, 7, 646-649.	1.1	15
22	Molecular and biochemical characterization of the GALK1 gene in Korean patients with galactokinase deficiency. Molecular Genetics and Metabolism, 2007, 91, 234-238.	0.5	14
23	The relationship between estimated average glucose and fasting plasma glucose. Clinical Chemistry and Laboratory Medicine, 2013, 51, 2195-2200.	1.4	14
24	Clinical, biochemical and molecular characterization of Korean patients with mucolipidosis II/III and successful prenatal diagnosis. Orphanet Journal of Rare Diseases, 2017, 12, 11.	1.2	14
25	Application of whole exome sequencing to a rare inherited metabolic disease with neurological and gastrointestinal manifestations: A congenital disorder of glycosylation mimicking glycogen storage disease. Clinica Chimica Acta, 2015, 444, 50-53.	0.5	13
26	Report of 5 novel mutations of the Î±-L-iduronidase gene and comparison of Korean mutations in relation with those of Japan or China in patients with mucopolysaccharidosis I. BMC Medical Genetics, 2016, 17, 58.	2.1	13
27	A nationwide utilization survey of therapeutic drug monitoring for five antibiotics in South Korea . Infection and Drug Resistance, 2019, Volume 12, 2163-2173.	1.1	13
28	Assessment of Vitamin Status in Patients with Nontuberculous Mycobacterial Pulmonary Disease: Potential Role of Vitamin A as a Risk Factor. Nutrients, 2019, 11, 343.	1.7	12
29	Schemes and Performance Evaluation Criteria of Korean Association of External Quality Assessment (KEQAS) for Improving Laboratory Testing. Annals of Laboratory Medicine, 2021, 41, 230-239.	1.2	12
30	Novel GALTvariations and mutation spectrum in the Korean population with decreased galactose-1-phosphate uridyltransferase activity. BMC Medical Genetics, 2014, 15, 94.	2.1	11
31	Serum 5-Hydroxyindoleacetic Acid and Ratio of 5-Hydroxyindoleacetic Acid to Serotonin as Metabolomics Indicators for Acute Oxidative Stress and Inflammation in Vancomycin-Associated Acute Kidney Injury. Antioxidants, 2021, 10, 895.	2.2	11
32	Genotype-phenotype correlation in 27 pediatric patients in congenital adrenal hyperplasia due to 21-hydroxylase deficiency in a single center. Annals of Pediatric Endocrinology and Metabolism, 2013, 18, 128.	0.8	11
33	Systemic primary carnitine deficiency with hypoglycemic encephalopathy. Annals of Pediatric Endocrinology and Metabolism, 2016, 21, 226.	0.8	11
34	Two novel HADHB gene mutations in a Korean patient with mitochondrial trifunctional protein deficiency. Annals of Clinical and Laboratory Science, 2009, 39, 399-404.	0.2	11
35	Mutation spectrum of the ASS1 gene in Korean patients with citrullinemia type I. Clinical Biochemistry, 2013, 46, 209-213.	0.8	10
36	Novel Pathogenic Variant (c.580C>T) in the CPS1 Gene in a Newborn With Carbamoyl Phosphate Synthetase 1 Deficiency Identified by Whole Exome Sequencing. Annals of Laboratory Medicine, 2017, 37, 58-62.	1.2	10

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37	Therapeutic drug monitoring of teicoplanin using an LCâ€“MS/MS method: Analysis of 421 measurements in a naturalistic clinical setting. Journal of Pharmaceutical and Biomedical Analysis, 2019, 167, 161-165.	1.4	10
38	Three Korean patients with maple syrup urine disease: four novel mutations in the BCKDHA gene. Annals of Clinical and Laboratory Science, 2011, 41, 167-73.	0.2	10
39	Clinical, biochemical, and genetic analysis of a Korean neonate with hereditary tyrosinemia type 1. Clinical Chemistry and Laboratory Medicine, 2009, 47, 930-3.	1.4	9
40	The Relationship betweenLewis/SecretorGenotypes and Serum Carbohydrate Antigen 19-9 Levels in a Korean Population. Annals of Laboratory Medicine, 2010, 30, 51-57.	1.2	9
41	Five novel mutations of GALNS in Korean patients with mucopolysaccharidosis IVA. American Journal of Medical Genetics, Part A, 2013, 161, 509-517.	0.7	9
42	Performance Evaluation of the Serum Thyroglobulin Assays With Immunochemiluminometric Assay and Immunoradiometric Assay for Differentiated Thyroid Cancer. Annals of Laboratory Medicine, 2016, 36, 413-419.	1.2	9
43	Reassessing the significance of the PAH c.158G>A (p.Arg53His) variant in patients with hyperphenylalaninemia. Journal of Pediatric Endocrinology and Metabolism, 2017, 30, 1211-1218.	0.4	9
44	Clinical Utility and Cross-Reactivity of Insulin and C-Peptide Assays by the Lumipulse G1200 System. Annals of Laboratory Medicine, 2018, 38, 530-537.	1.2	9
45	Performance evaluation of serum PIVKAâ€II measurement using HISCLâ€5000 and a method comparison of HISCLâ€5000, LUMIPULSE G1200, and ARCHITECT i2000. Journal of Clinical Laboratory Analysis, 2019, 33, e22921.	0.9	9
46	The relationship between serum neutrophil gelatinase-associated lipocalin and renal function in patients with vancomycin treatment. Annals of Clinical and Laboratory Science, 2012, 42, 7-13.	0.2	9
47	Three patients with glycogen storage disease type II and the mutational spectrum of GAA in Korean patients. Annals of Clinical and Laboratory Science, 2013, 43, 311-6.	0.2	9
48	Evaluation of the transfusion safety of blood products and determination of plasma concentrations of acitretin and etretinate in patients receiving transfusions. Transfusion, 2008, 48, 2395-2400.	0.8	8
49	Thyroxine (T4) Autoantibody Interference of Free T4 Concentration Measurement in a Patient With Hashimotoâ€™s Thyroiditis. Annals of Laboratory Medicine, 2017, 37, 169-171.	1.2	7
50	A Case of Glycogen Storage Disease IV with Rare Homozygous Mutations in the Glycogen Branching Enzyme Gene. Pediatric Gastroenterology, Hepatology and Nutrition, 2018, 21, 365.	0.4	7
51	Use of Liquid Chromatography-Tandem Mass Spectrometry for Clinical Testing in Korean Laboratories: a Questionnaire Survey. Annals of Laboratory Medicine, 2019, 39, 447-453.	1.2	7
52	Recommendations for Liquid Chromatography-Mass Spectrometry in the Clinical Laboratory: Part II. Method Validation. Laboratory Medicine Online, 2020, 10, 95.	0.0	7
53	Creatinine- and cystatin C-based estimated glomerular filtration rate slopes for the prediction of kidney outcome: a comparative retrospective study. BMC Nephrology, 2019, 20, 214.	0.8	6
54	Immunosuppressive Drug Measurement by Liquid Chromatography Coupled to Tandem Mass Spectrometry: Interlaboratory Comparison in the Korean Clinical Laboratories. Annals of Laboratory Medicine, 2021, 41, 268-276.	1.2	6

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55	Diagnostic Value of Multiple Serum Biomarkers for Vancomycin-Induced Kidney Injury. Journal of Clinical Medicine, 2021, 10, 5005.	1.0	6
56	A novel PHKA2 gross deletion mutation in a Korean patient with X-linked liver glycogenosis type I. Annals of Clinical and Laboratory Science, 2011, 41, 197-200.	0.2	6
57	A Simple and Rapid Method Based on Liquid Chromatographyâ€“Tandem Mass Spectrometry for the Measurement of Î±-L-Iduronidase Activity in Dried Blood Spots: An Application to Mucopolysaccharidosis I (Hurler) Screening. Annals of Laboratory Medicine, 2015, 35, 41-49.	1.2	5
58	Comparison of Three Blood Collection Tubes for 35 Biochemical Analytes: The Becton Dickinson Barricor Tube, Serum Separating Tube, and Plasma Separating Tube. Annals of Laboratory Medicine, 2021, 41, 114-119.	1.2	5
59	Individualized Vancomycin Dosing with Therapeutic Drug Monitoring and Pharmacokinetic Consultation Service: A Large-Scale Retrospective Observational Study. Drug Design, Development and Therapy, 2021, Volume 15, 423-440.	2.0	5
60	Complementary Use of Presepsin with the Sepsis-3 Criteria Improved Identification of High-Risk Patients with Suspected Sepsis. Biomedicines, 2021, 9, 1076.	1.4	5
61	Clinical and molecular characterization of Korean children with infantile and late-onset Pompe disease: 10 years of experience with enzyme replacement therapy at a single center. Korean Journal of Pediatrics, 2019, 62, 224-234.	1.9	5
62	A novel ATP7A gross deletion mutation in a Korean patient with Menkes disease. Annals of Clinical and Laboratory Science, 2009, 39, 188-91.	0.2	5
63	Does Type I Truly Dominate Hepatic Glycogen Storage Diseases in Korea?: A Single Center Study. Pediatric Gastroenterology, Hepatology and Nutrition, 2014, 17, 239.	0.4	4
64	Ultra-Performance Liquid Chromatography-Tandem Mass Spectrometry Measurement of Leukocyte Arylsulfatase A Activity Using a Natural Substrate. Annals of Laboratory Medicine, 2015, 35, 165-168.	1.2	4
65	Biochemical and Genetic Analysis of Seven Korean Individuals With Suspected Metachromatic Leukodystrophy. Annals of Laboratory Medicine, 2015, 35, 458-462.	1.2	4
66	CYP21A2 Mutation Analysis in Korean Patients With Congenital Adrenal Hyperplasia Using Complementary Methods: Sequencing After Long-Range PCR and Restriction Fragment Length Polymorphism Analysis With Multiple Ligation-Dependent Probe Amplification Assay. Annals of Laboratory Medicine, 2015, 35, 535-539.	1.2	4
67	Diagnostic performances of M-protein tests according to the clinical presentations of kidney disease. European Journal of Internal Medicine, 2016, 33, 88-92.	1.0	4
68	Accurate and Rapid Measurement of Glycated Hemoglobin Using HLC-723 G11 Variant Mode. Annals of Laboratory Medicine, 2019, 39, 237-244.	1.2	4
69	Cardiac troponin I predicts clinical outcome of patients with cancer at emergency department. Clinical Cardiology, 2020, 43, 1585-1591.	0.7	4
70	Prenatal diagnosis of combined methylmalonic acidemia and homocystinuria cobalamin C type using clinical exome sequencing and targeted gene analysis. Molecular Genetics & Genomic Medicine, 2021, 9, e1838.	0.6	4
71	Association of ATP7B mutation detection rate with biochemical characteristics in Korean patients with Wilson disease. Annals of Clinical and Laboratory Science, 2010, 40, 15-9.	0.2	4
72	Two novel FAH gene mutations in a patient with hereditary tyrosinemia type I. Annals of Clinical and Laboratory Science, 2014, 44, 317-23.	0.2	4

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73	The distribution of Abbott high-sensitivity troponin I levels in Korean patients with chest pain. Annals of Clinical and Laboratory Science, 2015, 45, 152-7.	0.2	4
74	Establishing reference intervals for LDL subfractions in a Korean population using the Lipoprint LDL system. Clinical Chemistry and Laboratory Medicine, 2013, 51, e179-82.	1.4	3
75	Direct assay of iduronate-2-sulfatase for Hunter disease using UPLC-tandem mass spectrometry and fluorogenic substrate. Clinical Biochemistry, 2015, 48, 1350-1353.	0.8	3
76	Performance evaluation of serum IgG subclass quantification using a SPAPLUS turbidimetric analyzer and comparison with the BNII nephelometer. Scandinavian Journal of Clinical and Laboratory Investigation, 2018, 78, 496-500.	0.6	3
77	Standardization Status of Total Cholesterol Concentration Measurement: Analysis of Korean External Quality Assessment Data. Annals of Laboratory Medicine, 2021, 41, 366-371.	1.2	3
78	Cardiac troponin I and the risk of cardiovascular or non-cardiovascular death in patients visiting the emergency department. Scientific Reports, 2021, 11, 17461.	1.6	3
79	A novel c.-22T>C mutation in GALK1 promoter is associated with elevated galactokinase phenotype. BMC Medical Genetics, 2009, 10, 29.	2.1	2
80	Prognostic implication of elevated cardiac troponin I in patients visiting emergency department without diagnosis of coronary artery disease. Clinical Chemistry and Laboratory Medicine, 2021, 59, 1107-1113.	1.4	2
81	Initial Response of the Korean Society for Laboratory Medicine to the COVID-19 Pandemic. Laboratory Medicine Online, 2021, 11, 217-222.	0.0	2
82	Performance Evaluation of the SelexOn Analyser for Seven Biomarkers. Journal of Laboratory Medicine and Quality Assurance, 2014, 36, 30-38.	0.1	2
83	Dried Blood Spot Multiplexed Steroid Profiling Using Liquid Chromatography Tandem Mass Spectrometry in Korean Neonates. Annals of Laboratory Medicine, 2019, 39, 263.	1.2	2
84	Therapeutic Drug Level Monitoring of Teicoplanin in Korean Pediatric Patients with Normal versus Impaired Renal Function. Journal of Korean Medical Science, 2020, 35, e376.	1.1	2
85	Clinical and genetic analysis of Korean patients with Cornelia de Lange syndrome: two novel NIPBL mutations. Annals of Clinical and Laboratory Science, 2010, 40, 20-5.	0.2	2
86	Performance evaluation of the iâ€Smart 300E cartridge for pointâ€ofâ€care electrolyte measurement in serum and plasma. Journal of Clinical Laboratory Analysis, 2022, 36, e24295.	0.9	2
87	Natural History and Molecular Characteristics of Korean Patients with Mucopolysaccharidosis Type III. Journal of Personalized Medicine, 2022, 12, 665.	1.1	2
88	Evaluation of the Analytical Performance of the Norudia GA Glycoalbumin Test. Laboratory Medicine Online, 2021, 11, 55-59.	0.0	1
89	A NovelMUTGene Mutation Detected in a Female Infant with Methylmalonic Acidemia. Neonatal Medicine, 2015, 22, 51.	0.1	1
90	A Questionnaire Survey on General Status and Opinions about Clinical Mass Spectrometric Analysis in Korea (2018). Laboratory Medicine Online, 2019, 9, 161.	0.0	1

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91	Comparison of Serum Creatinine Measurements among Roche Modular D, Cobas 8000 c702, and Beckman Coulter AU5800, by Jaffe and Enzymatic Methods. Laboratory Medicine Online, 2020, 10, 39.	0.0	1
92	Late-infantile GM1 gangliosidosis. Medicine (United States), 2022, 101, e28435.	0.4	1
93	Rare Association of Mucolipidosis III alpha/beta with Dilated Cardiomyopathy. Annals of Clinical and Laboratory Science, 2018, 48, 785-789.	0.2	1
94	Evaluation of the urinary globotriaosylceramide (Gb3) assay by tandem mass spectrometry. Molecular and Cellular Toxicology, 2010, 6, 203-207.	0.8	0
95	The relationship between estimated average glucose and fasting plasma glucose. Clinical Chemistry and Laboratory Medicine, 2014, 52, .	1.4	0
96	Evaluation of the Urinary Glucose Tetrasaccharide Assay Using Ultra-Performance Liquid Chromatography-Tandem Mass Spectrometry for Diagnosis of Pompe Disease. Laboratory Medicine Online, 2015, 5, 211.	0.0	0
97	Reply: â€œLetter to the Editor Re: Oh J., et al. Nutrients 2019, 11, 343â€. Nutrients, 2019, 11, 668.	1.7	0
98	Accurate and Rapid Measurement of Glycated Hemoglobin Using HLC-723 G11 Variant Mode. Annals of Laboratory Medicine, 2019, 39, 243.	1.2	0
99	Analysis of the Current Status of Liver Cancer Screening Institutions and Proficiency of Institutions that Conduct Alpha-fetoprotein Tests. Laboratory Medicine Online, 2021, 11, 245-253.	0.0	0
100	Analytical and clinical performance of the Advansure i3 procalcitonin assay. Scandinavian Journal of Clinical and Laboratory Investigation, 2021, 81, 1-6.	0.6	0
101	Evaluation of the Analytical Performance of a Direct Quantitative Assay of Small Dense LDL. Journal of Laboratory Medicine and Quality Assurance, 2014, 36, 84-91.	0.1	0
102	A novel mutation in the DAX1 gene in a newborn with adrenal hypoplasia congenita in Korea. Journal of Genetic Medicine, 2017, 14, 27-30.	0.1	0
103	Annual Report on the External Quality Assessment Scheme for Hormones in Korea (2017). Journal of Laboratory Medicine and Quality Assurance, 2018, 40, 77-84.	0.1	0
104	Performance Evaluation and Clinical Usefulness of Î±-fetoprotein Test Measured on Sysmex HISCL-5000. Laboratory Medicine Online, 2020, 10, 33.	0.0	0
105	Comparison of Mac-2 Binding Protein Glycosylation Isomer, Fibroscan, and Other Fibrosis Markers for Assessing Liver Cirrhosis in Patients with Chronic Hepatitis B Virus-mediated Hepatocellular Carcinoma. Laboratory Medicine Online, 2020, 10, 109.	0.0	0
106	Recommendations for the Use of Liquid Chromatography-Mass Spectrometry in the Clinical Laboratory: Part I. Implementation and Management. Laboratory Medicine Online, 2020, 10, 1.	0.0	0
107	Performance Evaluation of Serum IgD Quantification by the SPAPLUS Turbidimetric Analyzer and Determination of a Reference Interval of IgD in the Korean Population. Laboratory Medicine Online, 2020, 10, 197-201.	0.0	0
108	Vancomycin and Aminoglycoside Antibiotic Drug Concentration Measurement: Current Status in Clinical Laboratories in Korea. Laboratory Medicine Online, 2020, 10, 262-275.	0.0	0

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109	Re-evaluation of the LDLR Gene Variants of Uncertain Significance Using ClinGen Guideline. Laboratory Medicine Online, 2022, 12, 116-121.	0.0	0
110	Performance Evaluation of the i-SmartCare 10 Analyzer and Method Comparison of Six Point-of-Care Blood Gas Analyzers. Annals of Laboratory Medicine, 2022, 42, 467-472.	1.2	0