

Sang-Guk 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.

103
papers

1,035
citations

16
h-index

28
g-index

110
ext. papers

1,377
ext. citations

4
avg, IF

4.26
L-index

#	Paper	IF	Citations
103	Economic Evaluation of Total Laboratory Automation in the Clinical Laboratory of a Tertiary Care Hospital. <i>Annals of Laboratory Medicine</i> , 2022 , 42, 89-95	3.1	2
102	mutations impair autophagy and lead to hearing loss, potentially remedied by rapamycin.. <i>Autophagy</i> , 2022 , 1-22	10.2	1
101	External Quality Assessment of Serum Protein and Immunofixation Electrophoresis in Korea. <i>Laboratory Medicine Online</i> , 2022 , 12, 122-128	0.2	
100	Current Status of Serum Protein and Immunofixation Electrophoresis from 29 Hospitals in Korea. <i>Laboratory Medicine Online</i> , 2022 , 12, 91-99	0.2	1
99	Short Term Isocaloric Ketogenic Diet Modulates NLRP3 Inflammasome B-hydroxybutyrate and Fibroblast Growth Factor 21.. <i>Frontiers in Immunology</i> , 2022 , 13, 843520	8.4	2
98	Association of Metabolomic Change and Treatment Response in Patients with Non-Alcoholic Fatty Liver Disease. <i>Biomedicines</i> , 2022 , 10, 1216	4.8	0
97	Total and Exchangeable Copper Assay Using Inductively Coupled Plasma Mass Spectrometry and Establishment of a Pediatric Reference Interval. <i>Archives of Pathology and Laboratory Medicine</i> , 2021 , 145, 877-882	5	1
96	Association of vancomycin trough concentration on the treatment outcome of patients with bacteremia caused by Enterococcus species. <i>BMC Infectious Diseases</i> , 2021 , 21, 1099	4	1
95	Revisiting the Role of Insulin-like Growth Factor-1 Measurement After Surgical Treatment of Acromegaly. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021 , 106, e2589-e2599	5.6	2
94	Immunosuppressive Drug Measurement by Liquid Chromatography Coupled to Tandem Mass Spectrometry: Interlaboratory Comparison in the Korean Clinical Laboratories. <i>Annals of Laboratory Medicine</i> , 2021 , 41, 268-276	3.1	1
93	Quantitative Analysis of Immunosuppressive Drugs Using Tungsten Disulfide Nanosheet-Assisted Laser Desorption Ionization Mass Spectrometry. <i>ACS Nano</i> , 2021 , 15, 10141-10152	16.7	4
92	Age-group-specific reference intervals for anti-Müllerian hormone and its diagnostic performance for polycystic ovary syndrome in a Korean population. <i>Journal of Clinical Laboratory Analysis</i> , 2021 , 35, e23861	3	2
91	Development and validation of a novel sepsis biomarker based on amino acid profiling. <i>Clinical Nutrition</i> , 2021 , 40, 3668-3676	5.9	1
90	Concordance of Three Automated Procalcitonin Immunoassays at Medical Decision Points. <i>Annals of Laboratory Medicine</i> , 2021 , 41, 419-423	3.1	3
89	Gut microbiota-derived metabolite trimethylamine N-oxide as a biomarker in early Parkinson's disease. <i>Nutrition</i> , 2021 , 83, 111090	4.8	10
88	Diagnosis of severe sepsis using phospholipids enzymatic assay based on cyclic voltammetry. <i>Enzyme and Microbial Technology</i> , 2021 , 144, 109728	3.8	1
87	Performance Evaluation of Thyroid Function Tests on a Novel Chemiluminescent Microparticle Immunoassay System. <i>Journal of Applied Laboratory Medicine</i> , 2021 , 6, 367-377	2	0

86	Association of circulating metabolites with incident type 2 diabetes in an obese population from a national cohort. <i>Diabetes Research and Clinical Practice</i> , 2021 , 180, 109077	7.4	2
85	Comparison of Three Automated Calcitonin Immunoassays for Evaluating the Equivalence Near the Clinical Decision Point. <i>Laboratory Medicine Online</i> , 2021 , 11, 235-244	0.2	
84	Measurement of Plasma Free Hemoglobin Using Hemolysis Index and Bilirubin Interference. <i>Journal of Laboratory Medicine and Quality Assurance</i> , 2021 , 43, 208-213	0.6	
83	Simultaneous Analysis of Multiple Cancer Biomarkers Using MALDI-TOF Mass Spectrometry Based on a Parylene-Matrix Chip. <i>Journal of the American Society for Mass Spectrometry</i> , 2020 , 31, 917-926	3.5	5
82	Identification of serum biomarkers for active pulmonary tuberculosis using a targeted metabolomics approach. <i>Scientific Reports</i> , 2020 , 10, 3825	4.9	24
81	SGLT2 inhibition modulates NLRP3 inflammasome activity via ketones and insulin in diabetes with cardiovascular disease. <i>Nature Communications</i> , 2020 , 11, 2127	17.4	96
80	Heterophile antibody interference associated with natural killer cell therapy. <i>Endocrine Journal</i> , 2020 , 67, 1187-1192	2.9	1
79	Recommendations for the Use of Liquid Chromatography-Mass Spectrometry in the Clinical Laboratory: Part I. Implementation and Management. <i>Laboratory Medicine Online</i> , 2020 , 10, 1	0.2	
78	Recommendations for Liquid Chromatography-Mass Spectrometry in the Clinical Laboratory: Part II. Method Validation. <i>Laboratory Medicine Online</i> , 2020 , 10, 95	0.2	5
77	Establishment of Reference Intervals for Serum Insulin-Like Growth Factor I in Korean Adult Population. <i>Endocrinology and Metabolism</i> , 2020 , 35, 960-964	3.5	1
76	Recommendations for Liquid Chromatography-Mass Spectrometry in the Clinical Laboratory: Part III. Quality Assurance. <i>Laboratory Medicine Online</i> , 2020 , 10, 185-196	0.2	
75	Evaluating the Diagnostic Performance of Two Rapid Influenza Diagnostic Tests. <i>Laboratory Medicine Online</i> , 2020 , 10, 160	0.2	
74	Performance Evaluation of Body Fluid Cellular Analysis Using the Beckman Coulter UniCel DxH 800, Sysmex XN-350, and UF-5000 Automated Cellular Analyzers. <i>Annals of Laboratory Medicine</i> , 2020 , 40, 122-130	3.1	12
73	Coffee Ring Effect Free TiO ₂ Nanotube Array for Quantitative Laser Desorption/Ionization Mass Spectrometry. <i>ACS Applied Nano Materials</i> , 2020 , 3, 9249-9259	5.6	5
72	Aggregation-driven fluorescence quenching of imidazole-functionalized perylene diimide for urea sensing. <i>Analyst, The</i> , 2020 , 145, 7312-7319	5	5
71	Diagnosis and mortality prediction of sepsis via lysophosphatidylcholine 16:0 measured by MALDI-TOF MS. <i>Scientific Reports</i> , 2020 , 10, 13833	4.9	3
70	Evaluation of the Analytical Performance of Atellica CH 930 Automated Chemistry Analyzer. <i>Laboratory Medicine Online</i> , 2019 , 9, 133	0.2	
69	Identification of new binding proteins of focal adhesion kinase using immunoprecipitation and mass spectrometry. <i>Scientific Reports</i> , 2019 , 9, 12908	4.9	3

68	Optimal Dosing Regimen of Phenytoin for Korean Epilepsy Patients: From Premature Babies to the Elderly. <i>Journal of Pharmaceutical Sciences</i> , 2019 , 108, 2765-2773	3.9	1
67	Use of Liquid Chromatography-Tandem Mass Spectrometry for Clinical Testing in Korean Laboratories: a Questionnaire Survey. <i>Annals of Laboratory Medicine</i> , 2019 , 39, 447-453	3.1	4
66	Comparison of analytical performance of i-Smart 300 and pHox ultra for the accurate determination of pleural fluid pH. <i>Practical Laboratory Medicine</i> , 2019 , 14, e00117	1.7	0
65	Fasting serum bile acids concentration is associated with insulin resistance independently of diabetes status. <i>Clinical Chemistry and Laboratory Medicine</i> , 2019 , 57, 1218-1228	5.9	8
64	Comparison of five automated urine sediment analyzers with manual microscopy for accurate identification of urine sediment. <i>Clinical Chemistry and Laboratory Medicine</i> , 2019 , 57, 1744-1753	5.9	13
63	MALDI-TOF Mass Spectrometry Based on Parylene-Matrix Chip for the Analysis of Lysophosphatidylcholine in Sepsis Patient Sera. <i>Analytical Chemistry</i> , 2019 , 91, 14719-14727	7.8	13
62	Development of Statistical Software for the Korean Laboratory Accreditation Program Using R Language: LaboStats. <i>Annals of Laboratory Medicine</i> , 2019 , 39, 552-560	3.1	1
61	Report of Korean Association of External Quality Assessment Service on the Accuracy-Based Lipid Proficiency Testing (2016-2018). <i>Journal of Laboratory Medicine and Quality Assurance</i> , 2019 , 41, 121-129 ^{0.6}	0.6	3
60	Elevation of the Gut Microbiota Metabolite Trimethylamine N-Oxide Predicts Stroke Outcome. <i>Journal of Stroke</i> , 2019 , 21, 350-352	5.6	7
59	A Questionnaire Survey on General Status and Opinions about Clinical Mass Spectrometric Analysis in Korea (2018). <i>Laboratory Medicine Online</i> , 2019 , 9, 161	0.2	0
58	Spontaneous ketonuria and risk of incident diabetes: a 12-year prospective study. <i>Diabetologia</i> , 2019 , 62, 779-788	10.3	5
57	Clinical Evaluation of a Novel Micro-lancet (ML) for Minimizing Lancing Pain. <i>Biochip Journal</i> , 2019 , 13, 394-402	4	0
56	Developing a preoperative serum metabolome-based recurrence-predicting nomogram for patients with resected pancreatic ductal adenocarcinoma. <i>Scientific Reports</i> , 2019 , 9, 18634	4.9	5
55	A High Alanine Aminotransferase/Aspartate Aminotransferase Ratio Determines Insulin Resistance and Metabolically Healthy/Unhealthy Obesity in a General Adult Population in Korea: The Korean National Health and Nutritional Examination Survey 2007-2010. <i>Experimental and Clinical Endocrinology and Diabetes</i> , 2019 , 127, 677-684	2.3	3
54	Disturbed retrieval network and prospective memory decline in postpartum women. <i>Scientific Reports</i> , 2018 , 8, 5476	4.9	11
53	Fasting serum amino acids concentration is associated with insulin resistance and pro-inflammatory cytokines. <i>Diabetes Research and Clinical Practice</i> , 2018 , 140, 107-117	7.4	6
52	Evaluation of the Vacuum Blood Collection Tube, V-Tube, a Domestic Product for Clinical Chemistry and Thyroid Hormone Assays. <i>Journal of Laboratory Medicine and Quality Assurance</i> , 2018 , 40, 211-222	0.6	1
51	Relationship Between Circulating Netrin-1 Concentration, Impaired Fasting Glucose, and Newly Diagnosed Type 2 Diabetes. <i>Frontiers in Endocrinology</i> , 2018 , 9, 691	5.7	14

50	Effects of two types of medical contrast media on routine chemistry results by three automated chemistry analyzers. <i>Clinical Biochemistry</i> , 2017 , 50, 719-725	3.5	5
49	The renal tubular damage marker urinary N-acetyl-D-glucosaminidase may be more closely associated with early detection of atherosclerosis than the glomerular damage marker albuminuria in patients with type 2 diabetes. <i>Cardiovascular Diabetology</i> , 2017 , 16, 16	8.7	18
48	Neutropenia is independently associated with sub-therapeutic serum concentration of vancomycin. <i>Clinica Chimica Acta</i> , 2017 , 465, 106-111	6.2	8
47	A practical way to overcome ascorbate interference in total cholesterol and triglyceride measurement by exploiting the autoxidation property of ascorbate. <i>Clinical Biochemistry</i> , 2017 , 50, 350-351	3.5	2
46	Analytical Performance of Bio-Rad D-100 on a Hemoglobin A1c Assay. <i>Laboratory Medicine Online</i> , 2017 , 7, 59	0.2	
45	Morning Spot Urine Glucose-to-Creatinine Ratios Predict Overnight Urinary Glucose Excretion in Patients With Type 2 Diabetes. <i>Annals of Laboratory Medicine</i> , 2017 , 37, 9-17	3.1	4
44	A Novel Ultrafine Needle (UN) for Innocuous and Efficient Subcutaneous Insulin Delivery. <i>Advanced Functional Materials</i> , 2017 , 27, 1603228	15.6	5
43	Homeostasis model assessment of insulin resistance in a general adult population in Korea: additive association of sarcopenia and obesity with insulin resistance. <i>Clinical Endocrinology</i> , 2017 , 86, 44-51	3.4	14
42	Lipoprotein X Detected in a Case of Hypercholesterolemia Associated With Chronic Cholangiohepatitis. <i>Annals of Laboratory Medicine</i> , 2017 , 37, 550-552	3.1	2
41	Urinary N-acetyl-D-glucosaminidase, an early marker of diabetic kidney disease, might reflect glucose excursion in patients with type 2 diabetes. <i>Medicine (United States)</i> , 2016 , 95, e4114	1.8	27
40	Evaluation of bilirubin interference and accuracy of six creatinine assays compared with isotope dilution-liquid chromatography mass spectrometry. <i>Clinical Biochemistry</i> , 2016 , 49, 274-81	3.5	15
39	Validation of a liquid chromatography tandem mass spectrometry method to measure oxidized and reduced forms of glutathione in whole blood and verification in a mouse model as an indicator of oxidative stress. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016 , 1019, 15-20	3.2	27
38	Influence of Vitamin C and Maltose on the Accuracy of Three Models of Glucose Meters. <i>Annals of Laboratory Medicine</i> , 2016 , 36, 271-4	3.1	20
37	Ascorbate Oxidase Minimizes Interference by High-Concentration Ascorbic Acid in Total Cholesterol Assays. <i>Annals of Laboratory Medicine</i> , 2016 , 36, 188-90	3.1	6
36	Performance Evaluation of the CLINITEK Novus Automated Urine Chemistry Analyzer. <i>Laboratory Medicine Online</i> , 2016 , 6, 147	0.2	1
35	Comparison and Validation of 10 Equations Including a Novel Method for Estimation of LDL-cholesterol in a 168,212 Asian Population. <i>Medicine (United States)</i> , 2016 , 95, e3230	1.8	10
34	Association between betatrophin/ANGPTL8 and non-alcoholic fatty liver disease: animal and human studies. <i>Scientific Reports</i> , 2016 , 6, 24013	4.9	54
33	Characterization of circulating antibodies with affinity to an epitope used in antibody-conjugated magnetic immunoassays from a case of falsely elevated cyclosporine A. <i>Clinica Chimica Acta</i> , 2016 , 458, 35-9	6.2	4

32	Central obesity is an independent risk factor for microalbuminuria in both the general Korean women and nondiabetic nonhypertensive subpopulation: Association of microalbuminuria and metabolic syndrome from the Korea National Health and Nutrition Examination Survey 2011-2012. <i>Clinica Chimica Acta</i> , 2015 , 448, 74-9	6.2	3
31	Association of hemoglobin levels with blood pressure and hypertension in a large population-based study: the Korea National Health and Nutrition Examination Surveys 2008-2011. <i>Clinica Chimica Acta</i> , 2015 , 438, 12-8	6.2	11
30	Evaluation of random urine sodium and potassium compensated by creatinine as possible alternative markers for 24 hours urinary sodium and potassium excretion. <i>Annals of Laboratory Medicine</i> , 2015 , 35, 238-41	3.1	11
29	Hypertriglyceridemia is a major factor associated with elevated levels of small dense LDL cholesterol in patients with metabolic syndrome. <i>Annals of Laboratory Medicine</i> , 2015 , 35, 586-94	3.1	23
28	Differences in clinical chemistry values according to the use of two laxatives for colonoscopy. <i>Clinical Biochemistry</i> , 2014 , 47, 1047-51	3.5	3
27	Detection of human papillomavirus type 39 in a seborrheic inclusion cyst of the buttock. <i>Korean Journal of Pathology</i> , 2014 , 48, 398-400		
26	Establishing pediatric reference intervals for 13 biochemical analytes derived from normal subjects in a pediatric endocrinology clinic in Korea. <i>Clinical Biochemistry</i> , 2014 , 47, 268-71	3.5	29
25	Serum cholesterol concentration and prevalence, awareness, treatment, and control of high low-density lipoprotein cholesterol in the Korea National Health and Nutrition Examination Surveys 2008-2010: Beyond the Tip of the Iceberg. <i>Journal of the American Heart Association</i> , 2014 , 3, e000650	6	33
24	Association of urinary sodium/creatinine ratio and urinary sodium/specific gravity unit ratio with blood pressure and hypertension: KNHANES 2009-2010. <i>Clinica Chimica Acta</i> , 2013 , 424, 168-73	6.2	22
23	Genomic breakpoints and clinical features of MLL-TET1 rearrangement in acute leukemias. <i>Haematologica</i> , 2013 , 98, e55-7	6.6	16
22	Gender-specific reference intervals for serum total bilirubin in healthy Korean adults. <i>Clinical Biochemistry</i> , 2012 , 45, 1257-9	3.5	6
21	A novel PTEN mutation in a Korean patient with Cowden syndrome and vascular anomalies. <i>Acta Dermato-Venereologica</i> , 2011 , 91, 88-90	2.2	5
20	Various penA mutations together with mtrR, porB and ponA mutations in Neisseria gonorrhoeae isolates with reduced susceptibility to cefixime or ceftriaxone. <i>Journal of Antimicrobial Chemotherapy</i> , 2010 , 65, 669-75	5.1	81
19	A novel t(1;12)(q21;q24) in a patient with myelodysplastic syndrome. <i>Annals of Hematology</i> , 2010 , 89, 513-6	3	
18	Three-way translocation involving MLL, MLLT1, and a novel third partner, NRXN1, in a patient with acute lymphoblastic leukemia and t(2;19;11) (p12;p13.3;q23). <i>Cancer Genetics and Cytogenetics</i> , 2010 , 197, 32-8		11
17	Molecular characterization of alternative SET-NUP214 fusion transcripts in a case of acute undifferentiated leukemia. <i>Cancer Genetics and Cytogenetics</i> , 2010 , 201, 73-80		16
16	Constitutional pericentric inversion 9 and hematological disorders: a Korean tertiary institution's experience over eight years. <i>Annals of Clinical and Laboratory Science</i> , 2010 , 40, 273-7	0.9	9
15	Therapy-related acute lymphoblastic leukemia with t(9;22)(q34;q11.2): a case study and review of the literature. <i>Cancer Genetics and Cytogenetics</i> , 2009 , 191, 51-4		9

14	Two case reports of 1q triplication in myeloproliferative neoplasms. <i>Cancer Genetics and Cytogenetics</i> , 2009 , 191, 111-2		3
13	CASP8AP2 is a novel partner gene of MLL rearrangement with t(6;11)(q15;q23) in acute myeloid leukemia. <i>Cancer Genetics and Cytogenetics</i> , 2009 , 195, 94-5		9
12	Spread of CTX-M-type extended-spectrum beta-lactamases among bloodstream isolates of <i>Escherichia coli</i> and <i>Klebsiella pneumoniae</i> from a Korean hospital. <i>Diagnostic Microbiology and Infectious Disease</i> , 2009 , 63, 76-80	2.9	27
11	Comparison of 10% coefficient of variation and 99th percentile cutoff of troponin I in serum and heparinized plasma using Access 2 and Dxl 800. <i>Clinica Chimica Acta</i> , 2009 , 399, 117-8	6.2	2
10	Serum high mobility group box-1 (HMGB1) is closely associated with the clinical and pathologic features of gastric cancer. <i>Journal of Translational Medicine</i> , 2009 , 7, 38	8.5	91
9	Identification of HLA-A*2402-restricted HCMV immediate early-1 (IE-1) epitopes as targets for CD8+ HCMV-specific cytotoxic T lymphocytes. <i>Journal of Translational Medicine</i> , 2009 , 7, 72	8.5	12
8	Paracentric inversion-associated t(8;21) variant in de novo acute myelogenous leukemia: characteristic patterns of conventional cytogenetics, FISH, and multicolor banding analysis. <i>Cancer Genetics and Cytogenetics</i> , 2008 , 183, 72-6		4
7	Preceding orbital granulocytic sarcoma in an adult patient with acute myelogenous leukemia with t(8;21): a case study and review of the literature. <i>Cancer Genetics and Cytogenetics</i> , 2008 , 185, 51-4		13
6	Acute erythroleukemia with der(1;7)(q10;p10) as a sole acquired abnormality after treatment with azathioprine. <i>Cancer Genetics and Cytogenetics</i> , 2008 , 186, 58-60		7
5	Rare translocations involving chromosome band 8p11 in myeloid neoplasms. <i>Cancer Genetics and Cytogenetics</i> , 2008 , 186, 127-9		15
4	MLL rearrangement with t(6;11)(q15;q23) as a sole abnormality in a patient with de novo acute myeloid leukemia: conventional cytogenetics, FISH, and multicolor FISH analyses for detection of rare MLL-related chromosome abnormalities. <i>Cancer Genetics and Cytogenetics</i> , 2008 , 187, 50-3		4
3	Tetrasomy 8 in a patient with acute monoblastic leukemia. <i>Annals of Laboratory Medicine</i> , 2008 , 28, 262-6.1		5
2	t(5;12)(q13;p13) in acute myeloid leukemia with preceding granulocytic sarcoma. <i>Cancer Genetics and Cytogenetics</i> , 2007 , 177, 158-60		2
1	A der(1;15)(q10;q10) is a rare nonrandom whole-arm translocation in patients with acute lymphoblastic leukemia. <i>Cancer Genetics and Cytogenetics</i> , 2007 , 179, 132-5		4