

# Byoung-Kwon Lee

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/2040312/byoung-kwon-lee-publications-by-year.pdf>

**Version:** 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

154  
papers

1,955  
citations

24  
h-index

37  
g-index

168  
ext. papers

2,781  
ext. citations

4.1  
avg, IF

4.54  
L-index

#	Paper	IF	Citations
154	Impact of aortic atheroma and distensibility on diastolic function and prognosis in patients with ischemic stroke.. <i>Reviews in Cardiovascular Medicine</i> , <b>2022</b> , 23, 10	3.9	
153	Comparison of risk profiles for new-onset atrial fibrillation between patients aged . <i>PLoS ONE</i> , <b>2021</b> , 16, e0258770	3.7	
152	Comparative differences in the atherosclerotic disease burden between the epicardial coronary arteries: quantitative plaque analysis on coronary computed tomography angiography. <i>European Heart Journal Cardiovascular Imaging</i> , <b>2021</b> , 22, 322-330	4.1	3
151	Coronary calcification is associated with elevated serum lipoprotein (a) levels in asymptomatic men over the age of 45 years: A cross-sectional study of the Korean national health checkup data. <i>Medicine (United States)</i> , <b>2021</b> , 100, e24962	1.8	3
150	Effects of chronic kidney disease and declining renal function on coronary atherosclerotic plaque progression: a PARADIGM substudy. <i>European Heart Journal Cardiovascular Imaging</i> , <b>2021</b> , 22, 1072-1082	4.1	3
149	Effect of sarcomere and mitochondria-related mutations on myocardial fibrosis in patients with hypertrophic cardiomyopathy. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2021</b> , 23, 18	6.9	3
148	Consensus Decision-Making for the Management of Antiplatelet Therapy before Non-Cardiac Surgery in Patients Who Underwent Percutaneous Coronary Intervention With Second-Generation Drug-Eluting Stents: A Cohort Study. <i>Journal of the American Heart Association</i> , <b>2021</b> , 10, e020079	6	1
147	Smoking may be more harmful to vasospastic angina patients who take antiplatelet agents due to the interaction: Results of Korean prospective multi-center cohort. <i>PLoS ONE</i> , <b>2021</b> , 16, e0248386	3.7	0
146	Atherogenic index of plasma and the risk of rapid progression of coronary atherosclerosis beyond traditional risk factors. <i>Atherosclerosis</i> , <b>2021</b> , 324, 46-51	3.1	6
145	Deep-learning-based cardiovascular risk stratification using coronary artery calcium scores predicted from retinal photographs. <i>The Lancet Digital Health</i> , <b>2021</b> , 3, e306-e316	14.4	20
144	Impact of PRECISE-DAPT and DAPT Scores on Dual Antiplatelet Therapy Duration After 2nd Generation Drug-Eluting Stent Implantation. <i>Cardiovascular Drugs and Therapy</i> , <b>2021</b> , 35, 343-352	3.9	2
143	Impact of age on coronary artery plaque progression and clinical outcome: A PARADIGM substudy. <i>Journal of Cardiovascular Computed Tomography</i> , <b>2021</b> , 15, 232-239	2.8	2
142	The Relationship Between Coronary Calcification and the Natural History of Coronary Artery Disease. <i>JACC: Cardiovascular Imaging</i> , <b>2021</b> , 14, 233-242	8.4	14
141	Assessment of Image Quality for Selective Intracoronary Contrast-Injected CT Angiography in a Hybrid Angio-CT System: A Feasibility Study in Swine. <i>Yonsei Medical Journal</i> , <b>2021</b> , 62, 200-208	3	
140	Contribution of sarcomere gene mutations to left atrial function in patients with hypertrophic cardiomyopathy. <i>Cardiovascular Ultrasound</i> , <b>2021</b> , 19, 4	2.4	2
139	Effect of Renal and Left Ventricular Function on Serial Pulmonary Arterial Pressure Changes after Device Closure of Atrial Septal Defect. <i>Journal of Interventional Cardiology</i> , <b>2021</b> , 2021, 8846656	1.8	
138	Relationship between Muscle Mass and Non-Alcoholic Fatty Liver Disease. <i>Biology</i> , <b>2021</b> , 10,	4.9	1

137	Progression of whole-heart Atherosclerosis by coronary CT and major adverse cardiovascular events. <i>Journal of Cardiovascular Computed Tomography</i> , <b>2021</b> , 15, 322-330	2.8	3
136	Association between Aortic Valve Calcification Progression and Coronary Atherosclerotic Plaque Volume Progression in the PARADIGM Registry. <i>Radiology</i> , <b>2021</b> , 300, 79-86	20.5	3
135	Differential progression of coronary atherosclerosis according to plaque composition: a cluster analysis of PARADIGM registry data. <i>Scientific Reports</i> , <b>2021</b> , 11, 17121	4.9	0
134	Association of Tube Voltage With Plaque Composition on Coronary CT Angiography: Results From PARADIGM Registry. <i>JACC: Cardiovascular Imaging</i> , <b>2021</b> , 14, 2429-2440	8.4	0
133	Plaque Character and Progression According to the Location of Coronary Atherosclerotic Plaque. <i>American Journal of Cardiology</i> , <b>2021</b> , 158, 15-22	3	1
132	Association of Statin Treatment With Progression of Coronary Atherosclerotic Plaque Composition. <i>JAMA Cardiology</i> , <b>2021</b> , 6, 1257-1266	16.2	15
131	Topological Data Analysis of Coronary Plaques Demonstrates the Natural History of Coronary Atherosclerosis. <i>JACC: Cardiovascular Imaging</i> , <b>2021</b> , 14, 1410-1421	8.4	3
130	Differential contributions of sarcomere and mitochondria-related multigene variants to the endophenotype of hypertrophic cardiomyopathy. <i>Mitochondrion</i> , <b>2020</b> , 53, 48-56	4.9	5
129	Patterns of Antiplatelet Therapy During Noncardiac Surgery in Patients With Second-Generation Drug-Eluting Stents. <i>Journal of the American Heart Association</i> , <b>2020</b> , 9, e016218	6	5
128	Automatic segmentation of multiple cardiovascular structures from cardiac computed tomography angiography images using deep learning. <i>PLoS ONE</i> , <b>2020</b> , 15, e0232573	3.7	11
127	Performance comparison of platelet function analyzers in cardiology patients: VerifyNow and Anysis-200 aspirin assays. <i>Clinical Hemorheology and Microcirculation</i> , <b>2020</b> , 76, 33-42	2.5	2
126	Machine Learning Framework to Identify Individuals at Risk of Rapid Progression of Coronary Atherosclerosis: From the PARADIGM Registry. <i>Journal of the American Heart Association</i> , <b>2020</b> , 9, e013958	6	23
125	Association between non-alcoholic fatty liver disease and coronary calcification depending on sex and obesity. <i>Scientific Reports</i> , <b>2020</b> , 10, 1025	4.9	5
124	Percent atheroma volume: Optimal variable to report whole-heart atherosclerotic plaque burden with coronary CTA, the PARADIGM study. <i>Journal of Cardiovascular Computed Tomography</i> , <b>2020</b> , 14, 400-406	2.8	10
123	Sex-based Approach for the Clinical Impact of the Increased Hemoglobin on Incident AF in the General Population. <i>Korean Circulation Journal</i> , <b>2020</b> , 50, 1095-1110	2.2	1
122	Frequent Premature Atrial Contractions as a Poor Prognostic Factor in Cryptogenic Stroke Patients with Concomitant Non-Sustained Atrial Tachycardia. <i>Yonsei Medical Journal</i> , <b>2020</b> , 61, 965-969	3	0
121	Outcomes and Associated Factors of Discrepant Coronary and Carotid Atherosclerosis. <i>International Heart Journal</i> , <b>2020</b> , 61, 1142-1149	1.8	2
120	Sex-based approach for the clinical impact of polycythaemia on cardiovascular outcomes in the general population. <i>European Journal of Preventive Cardiology</i> , <b>2020</b> ,	3.9	1

119	Differences in Progression to Obstructive Lesions per High-Risk Plaque Features and Plaque Volumes With CCTA. <i>JACC: Cardiovascular Imaging</i> , <b>2020</b> , 13, 1409-1417	8.4	31
118	Efficacy and Safety of Guideline-Recommended Risk Score-Directed Dual Antiplatelet Therapy After 2nd-Generation Drug-Eluting Stents. <i>Circulation Journal</i> , <b>2020</b> , 84, 161-168	2.9	1
117	Sex Differences in Compositional Plaque Volume Progression in Patients With Coronary Artery Disease. <i>JACC: Cardiovascular Imaging</i> , <b>2020</b> , 13, 2386-2396	8.4	8
116	Prediction of systemic biomarkers from retinal photographs: development and validation of deep-learning algorithms. <i>The Lancet Digital Health</i> , <b>2020</b> , 2, e526-e536	14.4	24
115	Quantitative assessment of coronary plaque volume change related to triglyceride glucose index: The Progression of Atherosclerotic Plaque Determined by Computed Tomographic Angiography Imaging (PARADIGM) registry. <i>Cardiovascular Diabetology</i> , <b>2020</b> , 19, 113	8.7	13
114	Preventive Effect of Pretreatment with Pitavastatin on Contrast-Induced Nephropathy in Patients with Renal Dysfunction Undergoing Coronary Procedure: PRINCIPLE-II Randomized Clinical Trial. <i>Journal of Clinical Medicine</i> , <b>2020</b> , 9,	5.1	2
113	GENetic characteristics and REsponse to lipid-lowering therapy in familial hypercholesterolemia: GENRE-FH study. <i>Scientific Reports</i> , <b>2020</b> , 10, 19336	4.9	3
112	Per-lesion versus per-patient analysis of coronary artery disease in predicting the development of obstructive lesions: the Progression of Atherosclerotic Plaque Determined by Computed Tomographic Angiography Imaging (PARADIGM) study. <i>International Journal of Cardiovascular</i>	2.5	1
111	Association of Cardiovascular Disease Risk Factor Burden With Progression of Coronary Atherosclerosis Assessed by Serial Coronary Computed Tomographic Angiography. <i>JAMA Network Open</i> , <b>2020</b> , 3, e2011444	10.4	10
110	Relative fat mass at baseline and its early change may be a predictor of incident nonalcoholic fatty liver disease. <i>Scientific Reports</i> , <b>2020</b> , 10, 17491	4.9	4
109	Burden of premature ventricular contractions beyond nonsustained ventricular tachycardia is related to the myocardial extracellular space expansion in patients with hypertrophic-cardiomyopathy. <i>Clinical Cardiology</i> , <b>2020</b> , 43, 1317-1325	3.3	2
108	Impact of multi-vessel vasospastic angina on cardiovascular outcome. <i>Atherosclerosis</i> , <b>2019</b> , 281, 107-113.	3.1	5
107	Longitudinal quantitative assessment of coronary plaque progression related to body mass index using serial coronary computed tomography angiography. <i>European Heart Journal Cardiovascular Imaging</i> , <b>2019</b> , 20, 591-599	4.1	5
106	Elevated TyG Index Predicts Progression of Coronary Artery Calcification. <i>Diabetes Care</i> , <b>2019</b> , 42, 1569-1573	4.7	81
105	Association between circadian preference and blood lipid levels using a 1:1:1 propensity score matching analysis. <i>Journal of Clinical Lipidology</i> , <b>2019</b> , 13, 645-653.e2	4.9	3
104	Differential association between the progression of coronary artery calcium score and coronary plaque volume progression according to statins: the Progression of Atherosclerotic Plaque Determined by Computed Tomographic Angiography Imaging (PARADIGM) study. <i>European Heart Journal Cardiovascular Imaging</i> , <b>2019</b> , 20, 1307-1314	4.1	29
103	Genetic relevance and determinants of mitral leaflet size in hypertrophic cardiomyopathy. <i>Cardiovascular Ultrasound</i> , <b>2019</b> , 17, 21	2.4	5
102	Relation of Preprocedural Hemoglobin Level to Outcomes After Percutaneous Coronary Intervention. <i>American Journal of Cardiology</i> , <b>2019</b> , 124, 1319-1326	3	5

101	Prevalence of and Risk Factors for Diseases in Korean Americans and Native Koreans Undergoing Health Checkup. <i>Korean Journal of Family Medicine</i> , <b>2019</b> , 40, 388-394	1.7	3
100	Diagnostic accuracy of low-radiation coronary computed tomography angiography with low tube voltage and knowledge-based model reconstruction. <i>Scientific Reports</i> , <b>2019</b> , 9, 1308	4.9	9
99	Clopidogrel plus Aspirin Use is Associated with Worse Long-Term Outcomes, but Aspirin Use Alone is Safe in Patients with Vasospastic Angina: Results from the VA-Korea Registry, A Prospective Multi-Center Cohort. <i>Scientific Reports</i> , <b>2019</b> , 9, 17783	4.9	5
98	The association between progression of coronary artery calcium and colorectal adenoma: A retrospective follow-up study of asymptomatic Koreans. <i>Medicine (United States)</i> , <b>2019</b> , 98, e17629	1.8	1
97	Longitudinal assessment of coronary plaque volume change related to glycemic status using serial coronary computed tomography angiography: A PARADIGM (Progression of Atherosclerotic Plaque Determined by Computed Tomographic Angiography Imaging) substudy. <i>Journal of Cardiovascular Computed Tomography</i> , <b>2019</b> , 13, 142-147	2.8	17
96	Recent advances in microfluidic platelet function assays: Moving microfluidics into clinical applications. <i>Clinical Hemorheology and Microcirculation</i> , <b>2019</b> , 71, 249-266	2.5	12
95	Clinical feasibility of catheter-directed selective intracoronary computed tomography angiography using an extremely low dose of iodine in patients with coronary artery disease. <i>European Radiology</i> , <b>2019</b> , 29, 2218-2225	8	
94	Consistency of quantitative analysis of coronary computed tomography angiography. <i>Journal of Cardiovascular Computed Tomography</i> , <b>2019</b> , 13, 48-54	2.8	15
93	Efficacy and Safety of Fixed-dose Combination Therapy With Telmisartan and Rosuvastatin in Korean Patients With Hypertension and Dyslipidemia: TELSTA-YU (TELMisartan-rosuvaSTatin from YUhan), a Multicenter, Randomized, 4-arm, Double-blind, Placebo-controlled, Phase III Study. <i>Clinical Therapeutics</i> , <b>2018</b> , 40, 676-691.e1	3.5	10
92	Association between triglyceride glucose index and arterial stiffness in Korean adults. <i>Cardiovascular Diabetology</i> , <b>2018</b> , 17, 41	8.7	99
91	Quantification of Coronary Atherosclerosis in the Assessment of Coronary Artery Disease. <i>Circulation: Cardiovascular Imaging</i> , <b>2018</b> , 11, e007562	3.9	44
90	Electrocardiography based prediction of hypertrophy pattern and fibrosis amount in hypertrophic cardiomyopathy: comparative study with cardiac magnetic resonance imaging. <i>International Journal of Cardiovascular Imaging</i> , <b>2018</b> , 34, 1619-1628	2.5	12
89	The relationship of insulin resistance estimated by triglyceride glucose index and coronary plaque characteristics. <i>Medicine (United States)</i> , <b>2018</b> , 97, e10726	1.8	16
88	Effects of Statins on Coronary Atherosclerotic Plaques: The PARADIGM Study. <i>JACC: Cardiovascular Imaging</i> , <b>2018</b> , 11, 1475-1484	8.4	177
87	Current Helicobacter pylori infection is significantly associated with subclinical coronary atherosclerosis in healthy subjects: A cross-sectional study. <i>PLoS ONE</i> , <b>2018</b> , 13, e0193646	3.7	30
86	Safety of six-month dual antiplatelet therapy after second-generation drug-eluting stent implantation: OPTIMA-C Randomised Clinical Trial and OCT Substudy. <i>EuroIntervention</i> , <b>2018</b> , 13, 1923-1930	3.1	27
85	Transradial intervention as the first choice of treatment for ST elevation myocardial infarction patients: editorial comment. <i>Korean Journal of Internal Medicine</i> , <b>2018</b> , 33, 691-692	2.5	
84	Effect of Blood Donation on the Donor's Hemorheological Properties. <i>The Korean Journal of Blood Transfusion</i> , <b>2018</b> , 29, 229-239	0.3	

83	Relationship of insulin resistance estimated by triglyceride glucose index to arterial stiffness. <i>Lipids in Health and Disease</i> , <b>2018</b> , 17, 268	4.4	40
82	Impact of Non-obstructive left main disease on the progression of coronary artery disease: A PARADIGM substudy. <i>Journal of Cardiovascular Computed Tomography</i> , <b>2018</b> , 12, 231-237	2.8	8
81	Natural History of Diabetic Coronary Atherosclerosis by Quantitative Measurement of Serial Coronary Computed Tomographic Angiography: Results of the PARADIGM Study. <i>JACC: Cardiovascular Imaging</i> , <b>2018</b> , 11, 1461-1471	8.4	38
80	Effect of shear-induced platelet activation on red blood cell aggregation. <i>Clinical Hemorheology and Microcirculation</i> , <b>2017</b> , 66, 97-104	2.5	3
79	Assessment of myocardial viability based on dual-energy computed tomography in patients with chronic myocardial infarction: comparison with magnetic resonance imaging. <i>Clinical Imaging</i> , <b>2017</b> , 46, 8-13	2.7	1
78	Combination Therapy of Rosuvastatin and Ezetimibe in Patients with High Cardiovascular Risk. <i>Clinical Therapeutics</i> , <b>2017</b> , 39, 107-117	3.5	21
77	Associates and Prognosis of Giant Left Atrium; Single Center Experience. <i>Journal of Cardiovascular Imaging</i> , <b>2017</b> , 25, 84-90	0	2
76	The association between the apolipoprotein B/A-I ratio and coronary calcification may differ depending on kidney function in a healthy population. <i>PLoS ONE</i> , <b>2017</b> , 12, e0185522	3.7	4
75	Target achievement with maximal statin-based lipid-lowering therapy in Korean patients with familial hypercholesterolemia: A study supported by the Korean Society of Lipid and Atherosclerosis. <i>Clinical Cardiology</i> , <b>2017</b> , 40, 1291-1296	3.3	7
74	Arterial stiffness, sex, and age difference on hypertensive response to supine bicycle exercise. <i>Journal of Clinical Hypertension</i> , <b>2017</b> , 19, 1260-1268	2.3	4
73	Impact of Intensive LDL Cholesterol Lowering on Coronary Artery Atherosclerosis Progression: A Serial CT Angiography Study. <i>JACC: Cardiovascular Imaging</i> , <b>2017</b> , 10, 437-446	8.4	53
72	Acute Fulminant Myocarditis Recovered from Electro-Mechanical Dissociation in Scrub Typhus. <i>The Ewha Medical Journal</i> , <b>2016</b> , 39, 1	0.1	2
71	Rationale and design of the Progression of Atherosclerotic Plaque Determined by Computed Tomographic Angiography IMaging (PARADIGM) registry: A comprehensive exploration of plaque progression and its impact on clinical outcomes from a multicenter serial coronary computed tomographic angiography study. <i>American Heart Journal</i> , <b>2016</b> , 182, 72-79	4.9	49
70	Optimal boundary detection method and window settings for coronary atherosclerotic plaque volume analysis in coronary computed tomography angiography: comparison with intravascular ultrasound. <i>European Radiology</i> , <b>2016</b> , 26, 3190-8	8	16
69	Echo-Doppler-derived indexes of ventricular stiffness and ventriculo-arterial interaction as predictors of new-onset atrial fibrillation in patients with heart failure. <i>Cardiovascular Ultrasound</i> , <b>2016</b> , 14, 7	2.4	3
68	Hemorheological and Glycemic Parameters and HDL Cholesterol for the Prediction of Cardiovascular Events. <i>Arquivos Brasileiros De Cardiologia</i> , <b>2016</b> , 106, 56-61	1.2	3
67	Circulating Microparticles and Coronary Plaque Components Assessed by Virtual Histology Intravascular Ultrasound of the Target Lesion in Patients with Stable Angina. <i>PLoS ONE</i> , <b>2016</b> , 11, e0148128	3.7	7
66	Left Ventricular Filling Pressure as Assessed by the E/e' Ratio Is a Determinant of Atrial Fibrillation Recurrence after Cardioversion. <i>Yonsei Medical Journal</i> , <b>2016</b> , 57, 64-71	3	6

65	Prognostic Value of Elevated Homocysteine Levels in Korean Patients with Coronary Artery Disease: A Propensity Score Matched Analysis. <i>Korean Circulation Journal</i> , <b>2016</b> , 46, 154-60	2.2	4
64	Carotid Artery End-Diastolic Velocity and Future Cerebro-Cardiovascular Events in Asymptomatic High Risk Patients. <i>Korean Circulation Journal</i> , <b>2016</b> , 46, 72-8	2.2	10
63	Comparison of dual antiplatelet therapy prescribed as one-pill versus two-pill regimen. A pooled analysis of individual patient data from the three MR-CAPCIS trials. <i>Thrombosis and Haemostasis</i> , <b>2016</b> , 116, 78-86	7	3
62	Influence of shear stress on erythrocyte aggregation. <i>Clinical Hemorheology and Microcirculation</i> , <b>2016</b> , 62, 165-71	2.5	7
61	The 24-Month Prognosis of Patients With Positive or Intermediate Results in the Intracoronary Ergonovine Provocation Test. <i>JACC: Cardiovascular Interventions</i> , <b>2015</b> , 8, 914-23	5	35
60	Evaluation of polygenic cause in Korean patients with familial hypercholesterolemia - A study supported by Korean Society of Lipidology and Atherosclerosis. <i>Atherosclerosis</i> , <b>2015</b> , 242, 8-12	3.1	9
59	Clinical Feasibility of 3D Automated Coronary Atherosclerotic Plaque Quantification Algorithm on Coronary Computed Tomography Angiography: Comparison with Intravascular Ultrasound. <i>European Radiology</i> , <b>2015</b> , 25, 3073-83	8	63
58	Clinical features of familial hypercholesterolemia in Korea: Predictors of pathogenic mutations and coronary artery disease - A study supported by the Korean Society of Lipidology and Atherosclerosis. <i>Atherosclerosis</i> , <b>2015</b> , 243, 53-8	3.1	33
57	Quantitative T2 mapping after reperfusion therapy in patients with acute myocardial infarction: A comparison with late gadolinium enhancement and cine MR imaging. <i>Magnetic Resonance Imaging</i> , <b>2015</b> , 33, 1246-1252	3.3	1
56	Feasibility of Selective Catheter-Directed Coronary Computed Tomography Angiography Using Ultralow-Dose Intracoronary Contrast Injection in a Swine Model. <i>Investigative Radiology</i> , <b>2015</b> , 50, 449-55	10.1	3
55	Three-Dimensional Echocardiographic Evaluation of Mitral Apparatus during Preload Manipulation in Patients with Hypertrophic Cardiomyopathy. <i>Echocardiography</i> , <b>2015</b> , 32, 1261-9	1.5	
54	Neointimal response to second-generation drug-eluting stents in diabetic patients with de-novo coronary lesions: intravascular ultrasound study. <i>Coronary Artery Disease</i> , <b>2015</b> , 26, 212-9	1.4	2
53	Genetic testing of Korean familial hypercholesterolemia using whole-exome sequencing. <i>PLoS ONE</i> , <b>2015</b> , 10, e0126706	3.7	15
52	Elevated Lipoprotein(a) has Incremental Prognostic Value in Type 2 Diabetic Patients with Symptomatic Coronary Artery Disease. <i>Journal of Atherosclerosis and Thrombosis</i> , <b>2015</b> , 22, 527-34	4	7
51	Stent length is a contributing factor of suboptimal stent expansion in drug-eluting stents. <i>Kardiologia Polska</i> , <b>2015</b> , 73, 598-605	0.9	
50	Different contribution of extent of myocardial injury to left ventricular systolic and diastolic function in early reperfused acute myocardial infarction. <i>Cardiovascular Ultrasound</i> , <b>2014</b> , 12, 6	2.4	10
49	Diverse geometric changes related to dynamic left ventricular outflow tract obstruction without overt hypertrophic cardiomyopathy. <i>Cardiovascular Ultrasound</i> , <b>2014</b> , 12, 23	2.4	6
48	Yield shear stress and disaggregating shear stress of human blood <b>2014</b> , 26, 191-198		4

47	Effect of clinical and RBC hemorheological parameters on myocardial perfusion in patients with type 2 diabetes mellitus. <i>Biorheology</i> , <b>2014</b> , 51, 215-26	1.7	4
46	Lipoprotein-associated phospholipase A <sub>II</sub> s related to plaque stability and is a potential biomarker for acute coronary syndrome. <i>Yonsei Medical Journal</i> , <b>2014</b> , 55, 1507-15	3	10
45	Multidetector computed tomography for the evaluation of coronary artery disease; the diagnostic accuracy in calcified coronary arteries, comparing with IVUS imaging. <i>Yonsei Medical Journal</i> , <b>2014</b> , 55, 599-605	3	3
44	Effects of combination therapy with cilostazol and probucol versus monotherapy with cilostazol on coronary plaque, lipid and biomarkers: SECURE study, a double-blind randomized controlled clinical trial. <i>Journal of Atherosclerosis and Thrombosis</i> , <b>2014</b> , 21, 816-30	4	10
43	Home blood pressure is the predictor of subclinical target organ damage like ambulatory blood pressure monitoring in untreated hypertensive patients. <i>Anatolian Journal of Cardiology</i> , <b>2014</b> , 14, 711-8		10
42	Quantitative T2 mapping for detecting myocardial edema after reperfusion of myocardial infarction: validation and comparison with T2-weighted images. <i>International Journal of Cardiovascular Imaging</i> , <b>2013</b> , 29 Suppl 1, 65-72	2.5	27
41	Correction with blood T1 is essential when measuring post-contrast myocardial T1 value in patients with acute myocardial infarction. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2013</b> , 15, 11	6.9	16
40	Usefulness of metabolic syndrome score in the prediction of angiographic coronary artery disease severity according to the presence of diabetes mellitus: relation with inflammatory markers and adipokines. <i>Cardiovascular Diabetology</i> , <b>2013</b> , 12, 140	8.7	18
39	Prognostic significance of elevated lipoprotein(a) in coronary artery revascularization patients. <i>International Journal of Cardiology</i> , <b>2013</b> , 167, 1990-4	3.2	16
38	Left atrial strain assessed by speckle tracking imaging is related to new-onset atrial fibrillation after coronary artery bypass grafting. <i>Canadian Journal of Cardiology</i> , <b>2013</b> , 29, 377-83	3.8	29
37	Local increase in microparticles from the aspirate of culprit coronary arteries in patients with ST-segment elevation myocardial infarction. <i>Atherosclerosis</i> , <b>2013</b> , 227, 323-8	3.1	50
36	Disaggregating shear stress: the roles of cell deformability and fibrinogen concentration. <i>Clinical Hemorheology and Microcirculation</i> , <b>2013</b> , 55, 231-40	2.5	16
35	Stress Related Cardiomyopathy during Flexible Bronchoscopy. <i>The Korean Journal of Critical Care Medicine</i> , <b>2013</b> , 28, 127		
34	The role of critical shear stress on acute coronary syndrome. <i>Clinical Hemorheology and Microcirculation</i> , <b>2013</b> , 55, 101-9	2.5	13
33	Blood characteristics effect on pulse wave velocity. <i>Clinical Hemorheology and Microcirculation</i> , <b>2013</b> , 55, 193-203	2.5	7
32	Left atrial function assessed by Doppler echocardiography rather than left atrial volume predicts recurrence in patients with paroxysmal atrial fibrillation. <i>Clinical Cardiology</i> , <b>2013</b> , 36, 235-40	3.3	14
31	Preventive effect of pretreatment with intravenous nicorandil on contrast-induced nephropathy in patients with renal dysfunction undergoing coronary angiography (PRINCIPLE Study). <i>Yonsei Medical Journal</i> , <b>2013</b> , 54, 957-64	3	20
30	Spontaneous coronary artery dissection mimicking coronary spasm diagnosed by intravascular ultrasonography. <i>Korean Circulation Journal</i> , <b>2013</b> , 43, 491-6	2.2	5



29	Successful Percutaneous Transcatheter Retrieval of a Migrated Implantable Venous Port in a Patient Who Presented with Intermittent Palpitation. <i>Korean Journal of Medicine</i> , <b>2013</b> , 85, 194	0.5	1
28	Investigation of critical shear stress with simultaneous measurement of electrical impedance, capacitance and light backscattering. <i>Clinical Hemorheology and Microcirculation</i> , <b>2012</b> , 51, 203-12	2.5	5
27	Effect of Adiponectin and Resistin on Coronary Plaque Composition and Coronary Artery Remodeling of Target Lesion in Patients with Stable Angina. <i>Journal of Lipid and Atherosclerosis</i> , <b>2012</b> , 1, 69	3	
26	Five-year outcomes of sirolimus-eluting versus paclitaxel-eluting stents: a propensity matched study: clinical evidence of late catch-up?. <i>International Journal of Cardiology</i> , <b>2011</b> , 152, 302-6	3.2	7
25	Computational fluid dynamics in cardiovascular disease. <i>Korean Circulation Journal</i> , <b>2011</b> , 41, 423-30	2.2	38
24	Predictors of stent fracture in patients treated with closed-cell design stents: sirolimus-eluting stent and its bare-metal counterpart, the BX velocity stent. <i>Coronary Artery Disease</i> , <b>2011</b> , 22, 40-4	1.4	4
23	Phase IV, 8-week, multicenter, randomized, active treatment-controlled, parallel group, efficacy, and tolerability study of high-dose candesartan cilexetil combined with hydrochlorothiazide in Korean adults with stage II hypertension. <i>Clinical Therapeutics</i> , <b>2011</b> , 33, 1043-56	3.5	5
22	Alteration of red blood cell aggregation during blood storage <b>2011</b> , 23, 67-70		9
21	Study design and rationale of "Synergistic effect of combination therapy with cilostazol and ProbUcol on plaque stabilization and lesion REgression (SECURE)" study: a double-blind randomised controlled multicenter clinical trial. <i>Trials</i> , <b>2011</b> , 12, 10	2.8	9
20	Impact of metabolic syndrome and its individual components on the presence and severity of angiographic coronary artery disease. <i>Yonsei Medical Journal</i> , <b>2010</b> , 51, 676-82	3	32
19	Left ventricular hypercontractility immediately after tilting triggers a dysregulated cardioinhibitory reaction in vasovagal syncope: echocardiographic evaluation during the head-up tilt test. <i>Cardiology</i> , <b>2010</b> , 117, 118-23	1.6	1
18	Relationship between multiple plasma biomarkers and vulnerable plaque determined by virtual histology intravascular ultrasound. <i>Circulation Journal</i> , <b>2010</b> , 74, 332-6	2.9	21
17	Efficacy of fractional flow reserve measurements at side branch vessels treated with the crush stenting technique in true coronary bifurcation lesions. <i>Clinical Cardiology</i> , <b>2010</b> , 33, 490-4	3.3	4
16	Serial changes of minimal stent malapposition not detected by intravascular ultrasound: follow-up optical coherence tomography study. <i>Clinical Research in Cardiology</i> , <b>2010</b> , 99, 639-44	6.1	18
15	Relation of plaque size to compositions as determined by an in vivo volumetric intravascular ultrasound radiofrequency analysis. <i>International Journal of Cardiovascular Imaging</i> , <b>2010</b> , 26, 165-71	2.5	3
14	Neointimal coverage on drug-eluting stent struts crossing side-branch vessels using optical coherence tomography. <i>American Journal of Cardiology</i> , <b>2010</b> , 105, 1565-9	3	8
13	Potential role of HMG CoA reductase inhibitor on oxidative stress induced by advanced glycation endproducts in vascular smooth muscle cells of diabetic vasculopathy. <i>Experimental and Molecular Medicine</i> , <b>2009</b> , 41, 802-11	12.8	27
12	Pathobiological role of advanced glycation endproducts via mitogen-activated protein kinase dependent pathway in the diabetic vasculopathy. <i>Experimental and Molecular Medicine</i> , <b>2008</b> , 40, 398-406	12.8	32

11	Effects of increasing particle size of low-density lipoprotein on restenosis after coronary stent implantation. <i>Circulation Journal</i> , <b>2008</b> , 72, 1059-64	2.9	9
10	Microcirculatory dysfunction in cardiac syndrome X: role of abnormal blood rheology. <i>Microcirculation</i> , <b>2008</b> , 15, 451-9	2.9	29
9	Red blood cell aggregation quantitated via Myrenne aggregometer and yield shear stress. <i>Biorheology</i> , <b>2007</b> , 44, 29-35	1.7	18
8	Significance of hemodynamic effects on the generation of atherosclerosis. <i>Journal of Mechanical Science and Technology</i> , <b>2005</b> , 19, 836-845	1.6	3
7	Hemodynamic analysis of coronary circulation in angulated coronary stenosis following stenting. <i>Yonsei Medical Journal</i> , <b>2002</b> , 43, 590-600	3	4
6	A Case of Endovascular Stent-Graft Implantation in Aortic Dissection mimicking Intramural Hematoma in Descending Thoracic Aorta. <i>Sunhwanngi</i> , <b>2001</b> , 31, 347		
5	Factors Influencing the Survival of the Patients with Prehospital Cardiac Arrest. <i>Sunhwanngi</i> , <b>2001</b> , 31, 1059		1
4	Coexpression of cyclooxygenase-2 and matrix metalloproteinases in human aortic atherosclerotic lesions. <i>Yonsei Medical Journal</i> , <b>2000</b> , 41, 82-8	3	43
3	Apolipoprotein E polymorphism in non-diabetic patients with acute coronary syndrome. <i>Yonsei Medical Journal</i> , <b>1999</b> , 40, 377-82	3	3
2	Computed numerical analysis of the biomechanical effects on coronary atherogenesis using human hemodynamic and dimensional variables. <i>Yonsei Medical Journal</i> , <b>1998</b> , 39, 166-74	3	9
1	Clinical significance of serum TSH in euthyroid patients with paroxysmal atrial fibrillation. <i>Yonsei Medical Journal</i> , <b>1995</b> , 36, 448-56	3	2