

Hyuk-Jae Chang

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.

386
papers

9,715
citations

46
h-index

82
g-index

420
ext. papers

12,484
ext. citations

4.5
avg, IF

5.65
L-index

#	Paper	IF	Citations
386	The effect of scan and patient parameters on the diagnostic performance of AI for detecting coronary stenosis on coronary CT angiography.. <i>Clinical Imaging</i> , 2022 , 84, 149-158	2.7	0
385	Comparison of a Machine Learning Method and Various Equations for Estimating Low-Density Lipoprotein Cholesterol in Korean Populations.. <i>Frontiers in Cardiovascular Medicine</i> , 2022 , 9, 824574	5.4	2
384	Fully automated quantification of cardiac chamber and function assessment in 2-D echocardiography: clinical feasibility of deep learning-based algorithms.. <i>International Journal of Cardiovascular Imaging</i> , 2022 , 1	2.5	2
383	AI Evaluation of Stenosis on Coronary CT Angiography, Comparison With Quantitative Coronary Angiography and Fractional Flow Reserve: A CREDENCE Trial Substudy.. <i>JACC: Cardiovascular Imaging</i> , 2022 ,	8.4	3
382	Aspirin and Statin Therapy for Nonobstructive Coronary Artery Disease: Five-year Outcomes from the CONFIRM Registry.. <i>Radiology: Cardiothoracic Imaging</i> , 2022 , 4, e210225	8.3	1
381	Reconnection of fragmented parts of coronary arteries using local geometric features in X-ray angiography images.. <i>Computers in Biology and Medicine</i> , 2021 , 141, 105099	7	1
380	Optimal combinations of systolic and diastolic blood pressure in Korea: A nationwide population-based cohort study. <i>Journal of Clinical Hypertension</i> , 2021 , 23, 85-95	2.3	
379	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> , 2021 , 22, 322-330	4.1	3
378	Effects of Orlistat/Phentermine versus Phentermine on Vascular Endothelial Cell Function in Obese and Overweight Adults: A Randomized, Double-Blinded, Placebo-Controlled Trial. <i>Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy</i> , 2021 , 14, 941-950	3.4	1
377	Effects of chronic kidney disease and declining renal function on coronary atherosclerotic plaque progression: a PARADIGM substudy. <i>European Heart Journal Cardiovascular Imaging</i> , 2021 , 22, 1072-1082	4.1	3
376	Association of serum hemoglobin level with the risk of carotid plaque beyond metabolic abnormalities among asymptomatic adults without major adverse clinical events: a cross-sectional cohort study. <i>BMC Cardiovascular Disorders</i> , 2021 , 21, 35	2.3	0
375	Sex differences in coronary artery calcium progression: The Korea Initiatives on Coronary Artery Calcification (KOICA) registry. <i>PLoS ONE</i> , 2021 , 16, e0248884	3.7	1
374	High-Risk Morphological and Physiological Coronary Disease Attributes as Outcome Markers After Medical Treatment and Revascularization. <i>JACC: Cardiovascular Imaging</i> , 2021 , 14, 1977-1989	8.4	1
373	Concurrent smoking and alcohol consumers had higher triglyceride glucose indices than either only smokers or alcohol consumers: a cross-sectional study in Korea. <i>Lipids in Health and Disease</i> , 2021 , 20, 49	4.4	1
372	Atherogenic index of plasma and the risk of rapid progression of coronary atherosclerosis beyond traditional risk factors. <i>Atherosclerosis</i> , 2021 , 324, 46-51	3.1	6
371	Association of the new visceral adiposity index with coronary artery calcification and arterial stiffness in Korean population. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2021 , 31, 1774-1781	4.5	0
370	Comparison of the effectiveness of Martin's equation, Friedewald's equation, and a Novel equation in low-density lipoprotein cholesterol estimation. <i>Scientific Reports</i> , 2021 , 11, 13545	4.9	3

369	The role of cardiac CT throughout the full cardiac cycle in diagnosing patent foramen ovale in patients with acute stroke. <i>European Radiology</i> , 2021 , 31, 8983-8990	8	0
368	Effect of Coronary CTA on Chronic Total Occlusion Percutaneous Coronary Intervention: A Randomized Trial. <i>JACC: Cardiovascular Imaging</i> , 2021 , 14, 1993-2004	8.4	10
367	Prognostic Implications of Comprehensive Whole Vessel Plaque Quantification Using Coronary Computed Tomography Angiography. <i>JACC Asia</i> , 2021 , 1, 37-48		2
366	Development and Validation of a Deep Learning Based Diabetes Prediction System Using a Nationwide Population-Based Cohort. <i>Diabetes and Metabolism Journal</i> , 2021 , 45, 515-525	5	0
365	Age- and sex-related features of atherosclerosis from coronary computed tomography angiography in patients prior to acute coronary syndrome: results from the ICONIC study. <i>European Heart Journal Cardiovascular Imaging</i> , 2021 , 22, 24-33	4.1	7
364	Impact of age on coronary artery plaque progression and clinical outcome: A PARADIGM substudy. <i>Journal of Cardiovascular Computed Tomography</i> , 2021 , 15, 232-239	2.8	2
363	The Relationship Between Coronary Calcification and the Natural History of Coronary Artery Disease. <i>JACC: Cardiovascular Imaging</i> , 2021 , 14, 233-242	8.4	14
362	CT Angiographic and Plaque Predictors of Functionally Significant Coronary Disease and Outcome Using Machine Learning. <i>JACC: Cardiovascular Imaging</i> , 2021 , 14, 629-641	8.4	5
361	Society of Cardiovascular Computed Tomography / North American Society of Cardiovascular Imaging - Expert Consensus Document on Coronary CT Imaging of Atherosclerotic Plaque. <i>Journal of Cardiovascular Computed Tomography</i> , 2021 , 15, 93-109	2.8	29
360	Independent association of serum uric acid levels with arterial stiffness in the absence of established cardiovascular disorders. <i>International Journal of Clinical Practice</i> , 2021 , 75, e13720	2.9	
359	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> , 2021 , 62, 200-208	3	
358	Artificial Intelligence and Echocardiography. <i>Journal of Cardiovascular Imaging</i> , 2021 , 29, 193-204	1.3	5
357	Prognostic value of left atrial volume index in patients with rheumatic mitral stenosis. <i>Clinical Cardiology</i> , 2021 , 44, 364-370	3.3	0
356	End-to-End, Pixel-Wise Vessel-Specific Coronary and Aortic Calcium Detection and Scoring Using Deep Learning. <i>Diagnostics</i> , 2021 , 11,	3.8	5
355	Identification of susceptibility loci for cardiovascular disease in adults with hypertension, diabetes, and dyslipidemia. <i>Journal of Translational Medicine</i> , 2021 , 19, 85	8.5	5
354	Progression of whole-heart Atherosclerosis by coronary CT and major adverse cardiovascular events. <i>Journal of Cardiovascular Computed Tomography</i> , 2021 , 15, 322-330	2.8	3
353	Association between Aortic Valve Calcification Progression and Coronary Atherosclerotic Plaque Volume Progression in the PARADIGM Registry. <i>Radiology</i> , 2021 , 300, 79-86	20.5	3
352	Differential progression of coronary atherosclerosis according to plaque composition: a cluster analysis of PARADIGM registry data. <i>Scientific Reports</i> , 2021 , 11, 17121	4.9	0

351	Association of Tube Voltage With Plaque Composition on Coronary CT Angiography: Results From PARADIGM Registry. <i>JACC: Cardiovascular Imaging</i> , 2021 , 14, 2429-2440	8.4	0
350	Plaque Character and Progression According to the Location of Coronary Atherosclerotic Plaque. <i>American Journal of Cardiology</i> , 2021 , 158, 15-22	3	1
349	Association of Statin Treatment With Progression of Coronary Atherosclerotic Plaque Composition. <i>JAMA Cardiology</i> , 2021 , 6, 1257-1266	16.2	15
348	Efficacy and Safety of Switching to Teneagliptin in Patients with Type 2 Diabetes Inadequately Controlled with Dipeptidyl Peptidase-4 Inhibitors: 52-Week Results from a Prospective Observational Study. <i>Diabetes Therapy</i> , 2021 , 12, 2907-2920	3.6	0
347	Topological Data Analysis of Coronary Plaques Demonstrates the Natural History of Coronary Atherosclerosis. <i>JACC: Cardiovascular Imaging</i> , 2021 , 14, 1410-1421	8.4	3
346	Multi-Scale Conditional Generative Adversarial Network for Small-Sized Lung Nodules using Class Activation Region Influence Maximization. <i>IEEE Access</i> , 2021 , 1-1	3.5	0
345	Deep Learning Cross-Phase Style Transfer for Motion Artifact Correction in Coronary Computed Tomography Angiography. <i>IEEE Access</i> , 2020 , 8, 81849-81863	3.5	5
344	Automatic segmentation of multiple cardiovascular structures from cardiac computed tomography angiography images using deep learning. <i>PLoS ONE</i> , 2020 , 15, e0232573	3.7	11
343	Effectiveness of Fimasartan and Rosuvastatin Combination Treatment in Hypertensive Patients With Dyslipidemia. <i>Clinical Therapeutics</i> , 2020 , 42, 1058-1066.e3	3.5	
342	Non-obstructive high-risk plaques increase the risk of future culprit lesions comparable to obstructive plaques without high-risk features: the ICONIC study. <i>European Heart Journal Cardiovascular Imaging</i> , 2020 , 21, 973-980	4.1	13
341	Multicenter Study on the Diagnostic Performance of Native-T1 Cardiac Magnetic Resonance of Chronic Myocardial Infarctions at 3T. <i>Circulation: Cardiovascular Imaging</i> , 2020 , 13, e009894	3.9	6
340	Triglyceride glucose index is an independent predictor for the progression of coronary artery calcification in the absence of heavy coronary artery calcification at baseline. <i>Cardiovascular Diabetology</i> , 2020 , 19, 34	8.7	33
339	Feasibility and accuracy of a novel automated three-dimensional ultrasonographic analysis system for abdominal aortic aneurysm: comparison with two-dimensional ultrasonography and computed tomography. <i>Cardiovascular Ultrasound</i> , 2020 , 18, 24	2.4	1
338	Machine learning insight into the role of imaging and clinical variables for the prediction of obstructive coronary artery disease and revascularization: An exploratory analysis of the CONSERVE study. <i>PLoS ONE</i> , 2020 , 15, e0233791	3.7	4
337	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> , 2020 , 9, e013958	6	23
336	Clinical risk factors and atherosclerotic plaque extent to define risk for major events in patients without obstructive coronary artery disease: the long-term coronary computed tomography angiography CONFIRM registry. <i>European Heart Journal Cardiovascular Imaging</i> , 2020 , 21, 479-488	4.1	21
335	Increased long-term mortality in women with high left ventricular ejection fraction: data from the CONFIRM (COronary CT Angiography EvaluationN For Clinical Outcomes: An InteRnational Multicenter) long-term registry. <i>European Heart Journal Cardiovascular Imaging</i> , 2020 , 21, 363-374	4.1	5
334	Association of High-Density Calcified 1K Plaque With Risk of Acute Coronary Syndrome. <i>JAMA Cardiology</i> , 2020 , 5, 282-290	16.2	35

333	Development and External Validation of a Deep Learning Algorithm for Prognostication of Cardiovascular Outcomes. <i>Korean Circulation Journal</i> , 2020 , 50, 72-84	2.2	1
332	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> , 2020 , 14, 400-406	2.8	10
331	Diagnostic Accuracy of a Novel On-site Virtual Fractional Flow Reserve Parallel Computing System. <i>Yonsei Medical Journal</i> , 2020 , 61, 137-144	3	1
330	Differences in Progression to Obstructive Lesions per High-Risk Plaque Features and Plaque Volumes With CCTA. <i>JACC: Cardiovascular Imaging</i> , 2020 , 13, 1409-1417	8.4	31
329	Identification and Quantification of Cardiovascular Structures From CCTA: An End-to-End, Rapid, Pixel-Wise, Deep-Learning Method. <i>JACC: Cardiovascular Imaging</i> , 2020 , 13, 1163-1171	8.4	22
328	Coronary atherosclerosis scoring with semiquantitative CCTA risk scores for prediction of major adverse cardiac events: Propensity score-based analysis of diabetic and non-diabetic patients. <i>Journal of Cardiovascular Computed Tomography</i> , 2020 , 14, 251-257	2.8	8
327	Sex Differences in Compositional Plaque Volume Progression in Patients With Coronary Artery Disease. <i>JACC: Cardiovascular Imaging</i> , 2020 , 13, 2386-2396	8.4	8
326	Determinants of clinical outcomes in patients with mixed mitral valve disease. <i>Echocardiography</i> , 2020 , 37, 1164-1170	1.5	0
325	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> , 2020 , 19, 113	8.7	13
324	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 Imaging</i> , 2020 , 36, 2357-2364	2.5	1
323	Prognostic significance of subtle coronary calcification in patients with zero coronary artery calcium score: From the CONFIRM registry. <i>Atherosclerosis</i> , 2020 , 309, 33-38	3.1	4
322	Association of Cardiovascular Disease Risk Factor Burden With Progression of Coronary Atherosclerosis Assessed by Serial Coronary Computed Tomographic Angiography. <i>JAMA Network Open</i> , 2020 , 3, e2011444	10.4	10
321	A Boosted Ensemble Algorithm for Determination of Plaque Stability in High-Risk Patients on Coronary CTA. <i>JACC: Cardiovascular Imaging</i> , 2020 , 13, 2162-2173	8.4	15
320	Prevalence and clinical features of bone morphogenetic protein receptor type 2 mutation in Korean idiopathic pulmonary arterial hypertension patients: The PILGRIM explorative cohort. <i>PLoS ONE</i> , 2020 , 15, e0238698	3.7	5
319	Association of optimal blood pressure with mortality in patients taking antihypertensive medications. <i>Journal of Clinical Hypertension</i> , 2020 , 22, 2035-2043	2.3	3
318	Atherogenic index of plasma and the risk of advanced subclinical coronary artery disease beyond traditional risk factors: An observational cohort study. <i>Clinical Cardiology</i> , 2020 , 43, 1398-1404	3.3	11
317	Stress Myocardial Perfusion Imaging vs Coronary Computed Tomographic Angiography for Diagnosis of Invasive Vessel-Specific Coronary Physiology: Predictive Modeling Results From the Computed Tomographic Evaluation of Atherosclerotic Determinants of Myocardial Ischemia (CREDENCE) Trial. <i>JAMA Cardiology</i> , 2020 , 5, 1338-1348	16.2	13
316	Atherogenic index of plasma and coronary artery calcification progression beyond traditional risk factors according to baseline coronary artery calcium score. <i>Scientific Reports</i> , 2020 , 10, 21324	4.9	5

315	Predictors of 18F-sodium fluoride uptake in patients with stable coronary artery disease and adverse plaque features on computed tomography angiography. <i>European Heart Journal Cardiovascular Imaging</i> , 2020 , 21, 58-66	4.1	25
314	Machine learning of clinical variables and coronary artery calcium scoring for the prediction of obstructive coronary artery disease on coronary computed tomography angiography: analysis from the CONFIRM registry. <i>European Heart Journal</i> , 2020 , 41, 359-367	9.5	62
313	Machine learning based risk prediction model for asymptomatic individuals who underwent coronary artery calcium score: Comparison with traditional risk prediction approaches. <i>Journal of Cardiovascular Computed Tomography</i> , 2020 , 14, 168-176	2.8	9
312	Association of dietary lipid intake with low-density lipoprotein cholesterol levels: analysis of two independent population-based studies. <i>European Journal of Nutrition</i> , 2020 , 59, 2557-2567	5.2	4
311	Risk Reclassification With Coronary Computed Tomography Angiography-Visualized Nonobstructive Coronary Artery Disease According to 2018 American College of Cardiology/American Heart Association Cholesterol Guidelines (from the Coronary Computed Tomography Angiography Evaluation for Clinical Outcomes : An International Multicenter Registry	3	8
310	Increased risk of atherosclerotic cardiovascular disease among patients with psoriasis in Korea: A 15-year nationwide population-based cohort study. <i>Journal of Dermatology</i> , 2019 , 46, 859-866	1.6	13
309	Predicting Cardiac Arrest and Respiratory Failure Using Feasible Artificial Intelligence with Simple Trajectories of Patient Data. <i>Journal of Clinical Medicine</i> , 2019 , 8,	5.1	15
308	Development and verification of prediction models for preventing cardiovascular diseases. <i>PLoS ONE</i> , 2019 , 14, e0222809	3.7	6
307	PRavastatin Versus FLUVastatin After Statin Intolerance: The PRUV-Intolerance Study With Propensity Score Matching. <i>American Journal of Medicine</i> , 2019 , 132, 1320-1326.e1	2.4	4
306	Risk stratification of non-obstructive coronary artery disease for guidance of preventive medical therapy. <i>Atherosclerosis</i> , 2019 , 290, 66-73	3.1	9
305	Point of Care Clinical Risk Score to Improve the Negative Diagnostic Utility of an Agatston Score of Zero: Averting the Need for Coronary Computed Tomography Angiography. <i>Circulation: Cardiovascular Imaging</i> , 2019 , 12, e008737	3.9	2
304	Recent Advances in Cardiac Magnetic Resonance Imaging. <i>Korean Circulation Journal</i> , 2019 , 49, 146-159	2.2	3
303	Benefit of Four-Dimensional Computed Tomography Derived Ejection Fraction of the Left Atrial Appendage to Predict Thromboembolic Risk in the Patients with Valvular Heart Disease. <i>Korean Circulation Journal</i> , 2019 , 49, 173-180	2.2	3
302	A cross-sectional survey of coronary plaque composition in individuals on non-statin lipid lowering drug therapies and undergoing coronary computed tomography angiography. <i>Journal of Cardiovascular Computed Tomography</i> , 2019 , 13, 99-104	2.8	2
301	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> , 2019 , 20, 591-599	4.1	5
300	Efficacy and Safety of Udenafil for the Treatment of Pulmonary Arterial Hypertension: a Placebo-controlled, Double-blind, Phase IIb Clinical Trial. <i>Clinical Therapeutics</i> , 2019 , 41, 1499-1507	3.5	8
299	Efficacy and Safety of Switching to Tenueligliptin in Patients with Type 2 Diabetes Inadequately Controlled with Dipeptidyl Peptidase-4 Inhibitors: A 12-Week Interim Report. <i>Diabetes Therapy</i> , 2019 , 10, 1271-1282	3.6	5
298	Prognostic Implications of Plaque Characteristics and Stenosis Severity in Patients With Coronary Artery Disease. <i>Journal of the American College of Cardiology</i> , 2019 , 73, 2413-2424	15.1	45

297	Evaluation of Coronary Artery Calcium Progression in Asymptomatic Individuals with an Initial Score of Zero. <i>Korean Circulation Journal</i> , 2019 , 49, 448-457	2.2	4
296	Long-term prognostic utility of computed tomography coronary angiography in older populations. <i>European Heart Journal Cardiovascular Imaging</i> , 2019 , 20, 1279-1286	4.1	9
295	Prognostic Implications of the Left Atrial Volume Index in Patients with Progressive Mitral Stenosis. <i>Journal of Cardiovascular Imaging</i> , 2019 , 27, 122-133	1.3	2
294	Acute Hemodynamic Changes after Single Administration of Udenafil in Pulmonary Arterial Hypertension: a Phase IIa Study. <i>Korean Circulation Journal</i> , 2019 , 49, 353-360	2.2	2
293	Statin and clinical outcomes of primary prevention in individuals aged >75 years: The SCOPE-75 study. <i>Atherosclerosis</i> , 2019 , 284, 31-36	3.1	18
292	Image-Based Flow Simulations of Pre- and Post-left Atrial Appendage Closure in the Left Atrium. <i>Cardiovascular Engineering and Technology</i> , 2019 , 10, 225-241	2.2	4
291	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> , 2019 , 20, 1307-1314	4.1	29
290	Prognostic value of chronic total occlusions detected on coronary computed tomographic angiography. <i>Heart</i> , 2019 , 105, 196-203	5.1	7
289	Clinical applications of machine learning in cardiovascular disease and its relevance to cardiac imaging. <i>European Heart Journal</i> , 2019 , 40, 1975-1986	9.5	180
288	PM2.5 concentration in the ambient air is a risk factor for the development of high-risk coronary plaques. <i>European Heart Journal Cardiovascular Imaging</i> , 2019 , 20, 1355-1364	4.1	34
287	Should CT replace IVUS for evaluation of CAD in large-scale clinical trials: Effects of medical therapy on atherosclerotic plaque. <i>Journal of Cardiovascular Computed Tomography</i> , 2019 , 13, 248-253	2.8	6
286	Identification of coronary arteries in CT images by Bayesian analysis of geometric relations among anatomical landmarks. <i>Pattern Recognition</i> , 2019 , 96, 106958	7.7	3
285	Deep learning-based stenosis quantification from coronary CT Angiography. <i>Proceedings of SPIE</i> , 2019 , 10949,	1.7	16
284	Cox Proportional Hazard Regression Versus a Deep Learning Algorithm in the Prediction of Dementia: An Analysis Based on Periodic Health Examination. <i>JMIR Medical Informatics</i> , 2019 , 7, e13139	3.6	6
283	Peri-Coronary Adipose Tissue Density Is Associated With F-Sodium Fluoride Coronary Uptake in Stable Patients With High-Risk Plaques. <i>JACC: Cardiovascular Imaging</i> , 2019 , 12, 2000-2010	8.4	63
282	Population-based dementia prediction model using Korean public health examination data: A cohort study. <i>PLoS ONE</i> , 2019 , 14, e0211957	3.7	5
281	The Predictive Value of Coronary Artery Calcium Scoring for Major Adverse Cardiac Events According to Renal Function (from the Coronary Computed Tomography Angiography Evaluation for Clinical Outcomes: An International Multicenter [CONFIRM] Registry). <i>American Journal of Cardiology</i> , 2019 , 123, 1135-1142	3	6
280	Comparison of the JNC7 and 2017 American College of Cardiology/American Heart Association Guidelines for the Management of Hypertension in Koreans: Analysis of Two Independent Nationwide Population-Based Studies. <i>International Journal of Environmental Research and Public Health</i> , 2019 , 16,	4.6	3

279	A New Fracture Liaison Service Using the Mobile Application and IoT Sensor. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2019 , 2019, 3486-3489	0.9	2
278	Comparing the feasibility and accuracy of three-dimensional ultrasound to two-dimensional ultrasound and computed tomography angiography in the assessment of carotid atherosclerosis. <i>Echocardiography</i> , 2019 , 36, 2241-2250	1.5	3
277	Fully Automated CT Quantification of Epicardial Adipose Tissue by Deep Learning: A Multicenter Study. <i>Radiology: Artificial Intelligence</i> , 2019 , 1, e190045	8.7	41
276	Relationship between the optimal cut-off values of anthropometric indices for predicting metabolic syndrome and carotid intima-medial thickness in a Korean population. <i>Medicine (United States)</i> , 2019 , 98, e17620	1.8	5
275	Three-Hour Delayed Imaging Improves Assessment of Coronary F-Sodium Fluoride PET. <i>Journal of Nuclear Medicine</i> , 2019 , 60, 530-535	8.9	27
274	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> , 2019 , 13, 48-54	2.8	17
273	Selective Referral Using CCTA Versus Direct Referral for Individuals Referred to Invasive Coronary Angiography for Suspected CAD: A Randomized, Controlled, Open-Label Trial. <i>JACC: Cardiovascular Imaging</i> , 2019 , 12, 1303-1312	8.4	43
272	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> , 2019 , 29, 2218-2225	8	
271	Quantitative Evaluation of High-Risk Coronary Plaque by Coronary CTA and Subsequent Acute Coronary Events. <i>JACC: Cardiovascular Imaging</i> , 2019 , 12, 1568-1571	8.4	3
270	Consistency of quantitative analysis of coronary computed tomography angiography. <i>Journal of Cardiovascular Computed Tomography</i> , 2019 , 13, 48-54	2.8	15
269	Influence of symptom typicality for predicting MACE in patients without obstructive coronary artery disease: From the CONFIRM Registry (Coronary Computed Tomography Angiography Evaluation for Clinical Outcomes: An International Multicenter Registry). <i>Clinical Cardiology</i> , 2018 , 41, 586-593	3.3	8
268	Diagnostic Performance of a Novel Coronary CT Angiography Algorithm: Prospective Multicenter Validation of an Intracycle CT Motion Correction Algorithm for Diagnostic Accuracy. <i>American Journal of Roentgenology</i> , 2018 , 210, 1208-1215	5.4	2
267	Assessment of multidirectional movements of the common carotid artery in atherothrombotic stroke using dimensional speckle tracking carotid ultrasonography: A prospective, controlled cohort study. <i>Echocardiography</i> , 2018 , 35, 957-964	1.5	2
266	Different Characteristics, Clinical Outcomes, and Left Atrial Reverse Remodeling in Patients with Mitral Stenosis Maintaining Sinus Rhythm for at Least 10 Years after Successful Percutaneous Mitral Valvuloplasty. <i>Cardiology</i> , 2018 , 140, 14-20	1.6	2
265	Prediction of infarct size and adverse cardiac outcomes by tissue tracking-cardiac magnetic resonance imaging in ST-segment elevation myocardial infarction. <i>European Radiology</i> , 2018 , 28, 3454-3463	8	11
264	Prognostic value of coronary computed tomographic angiography findings in asymptomatic individuals: a 6-year follow-up from the prospective multicentre international CONFIRM study. <i>European Heart Journal</i> , 2018 , 39, 934-941	9.5	56
263	Incremental prognostic value of coronary computed tomography angiography over coronary calcium scoring for major adverse cardiac events in elderly asymptomatic individuals. <i>European Heart Journal Cardiovascular Imaging</i> , 2018 , 19, 675-683	4.1	20
262	Maximization of the usage of coronary CTA derived plaque information using a machine learning based algorithm to improve risk stratification; insights from the CONFIRM registry. <i>Journal of Cardiovascular Computed Tomography</i> , 2018 , 12, 204-209	2.8	94

261	Three-dimensional Cardiomyocytes Structure Revealed By Diffusion Tensor Imaging and Its Validation Using a Tissue-Clearing Technique. <i>Scientific Reports</i> , 2018 , 8, 6640	4.9	15
260	Accelerated Cardiac Diffusion Tensor Imaging Using Joint Low-Rank and Sparsity Constraints. <i>IEEE Transactions on Biomedical Engineering</i> , 2018 , 65, 2219-2230	5	7
259	Development and Validation of a Simple-to-Use Nomogram for Predicting 5-, 10-, and 15-Year Survival in Asymptomatic Adults Undergoing Coronary Artery Calcium Scoring. <i>JACC: Cardiovascular Imaging</i> , 2018 , 11, 450-458	8.4	23
258	Predictors of Long-Term Outcomes of Percutaneous Mitral Valvuloplasty in Patients with Rheumatic Mitral Stenosis. <i>Yonsei Medical Journal</i> , 2018 , 59, 273-278	3	5
257	Requirement Analysis and Implementation of Smart Emergency Medical Services. <i>IEEE Access</i> , 2018 , 6, 42022-42029	3.5	16
256	Risk of new-onset diabetes among patients treated with statins according to hypertension and gender: Results from a nationwide health-screening cohort. <i>PLoS ONE</i> , 2018 , 13, e0195459	3.7	6
255	Automatic aortic valve landmark localization in coronary CT angiography using colonial walk. <i>PLoS ONE</i> , 2018 , 13, e0200317	3.7	16
254	Quantification of Coronary Atherosclerosis in the Assessment of Coronary Artery Disease. <i>Circulation: Cardiovascular Imaging</i> , 2018 , 11, e007562	3.9	44
253	Evaluation of the impact of glycemic status on the progression of coronary artery calcification in asymptomatic individuals. <i>Cardiovascular Diabetology</i> , 2018 , 17, 4	8.7	7
252	Adverse effects of left ventricular electrical dyssynchrony on cardiac reverse remodeling and prognosis after aortic valve surgery. <i>Journal of Cardiology</i> , 2018 , 72, 385-392	3	1
251	Impact of Ambulatory Blood Pressure on Early Cardiac and Renal Dysfunction in Hypertensive Patients without Clinically Apparent Target Organ Damage. <i>Yonsei Medical Journal</i> , 2018 , 59, 265-272	3	3
250	The relationship of insulin resistance estimated by triglyceride glucose index and coronary plaque characteristics. <i>Medicine (United States)</i> , 2018 , 97, e10726	1.8	16
249	Combined effects of diabetes and low household income on mortality: a 12-year follow-up study of 505 677 Korean adults. <i>Diabetic Medicine</i> , 2018 , 35, 1345-1354	3.5	10
248	Impact of optimal glycemic control on the progression of coronary artery calcification in asymptomatic patients with diabetes. <i>International Journal of Cardiology</i> , 2018 , 266, 250-253	3.2	10
247	Effects of Statins on Coronary Atherosclerotic Plaques: The PARADIGM Study. <i>JACC: Cardiovascular Imaging</i> , 2018 , 11, 1475-1484	8.4	177
246	Healthcare Providers' Opinions on Digital Healthcare Services. <i>Journal of Health Informatics and Statistics</i> , 2018 , 43, 54-63	0.4	2
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