

Hyuk-Jae Chang

List of Publications by Citations

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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	Age- and sex-related differences in all-cause mortality risk based on coronary computed tomography angiography findings results from the International Multicenter CONFIRM (Coronary CT Angiography Evaluation for Clinical Outcomes: An International Multicenter Registry) of 23,854 patients without known coronary artery disease. <i>Journal of the American College of Cardiology</i> , 2017 , 69, 1253-1261	15.1	528
385	Machine learning for prediction of all-cause mortality in patients with suspected coronary artery disease: a 5-year multicentre prospective registry analysis. <i>European Heart Journal</i> , 2017 , 38, 500-507	9.5	275
384	Adenosine stress 64- and 256-row detector computed tomography angiography and perfusion imaging: a pilot study evaluating the transmural extent of perfusion abnormalities to predict atherosclerosis causing myocardial ischemia. <i>Circulation: Cardiovascular Imaging</i> , 2009 , 2, 174-82	3.9	258
383	Coronary computed tomography angiography as a screening tool for the detection of occult coronary artery disease in asymptomatic individuals. <i>Journal of the American College of Cardiology</i> , 2008 , 52, 357-65	15.1	256
382	Impact of arterial load and loading sequence on left ventricular tissue velocities in humans. <i>Journal of the American College of Cardiology</i> , 2007 , 50, 1570-7	15.1	248
381	Prevalence and severity of coronary artery disease and adverse events among symptomatic patients with coronary artery calcification scores of zero undergoing coronary computed tomography angiography: results from the CONFIRM (Coronary CT Angiography Evaluation for Clinical Outcomes: An International Multicenter Registry). <i>Journal of the American College of Cardiology</i> , 2011 , 58, 2533-40	15.1	240
380	Performance of the traditional age, sex, and angina typicality-based approach for estimating pretest probability of angiographically significant coronary artery disease in patients undergoing coronary computed tomographic angiography: results from the multinational coronary CT angiography evaluation for clinical outcomes: an international multicenter registry (CONFIRM). <i>Circulation</i> , 2011 , 124, 201-10	16.7	192
379	Atherosclerotic plaque characteristics by CT angiography identify coronary lesions that cause ischemia: a direct comparison to fractional flow reserve. <i>JACC: Cardiovascular Imaging</i> , 2015 , 8, 1-10	8.4	183
378	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
377	Effects of Statins on Coronary Atherosclerotic Plaques: The PARADIGM Study. <i>JACC: Cardiovascular Imaging</i> , 2018 , 11, 1475-1484	8.4	177
376	Incremental prognostic value of cardiac computed tomography in coronary artery disease using CONFIRM: COroNary computed tomography angiography evaluation for clinical outcomes: an InteRnational Multicenter registry. <i>Circulation: Cardiovascular Imaging</i> , 2011 , 4, 463-72	3.9	161
375	Coronary Atherosclerotic Precursors of Acute Coronary Syndromes. <i>Journal of the American College of Cardiology</i> , 2018 , 71, 2511-2522	15.1	161
374	Coronary computed tomographic angiography and risk of all-cause mortality and nonfatal myocardial infarction in subjects without chest pain syndrome from the CONFIRM Registry (coronary CT angiography evaluation for clinical outcomes: an international multicenter registry). <i>Circulation</i> , 2012 , 126, 201-10	16.7	160
373	Optimized prognostic score for coronary computed tomographic angiography: results from the CONFIRM registry (COroNary CT Angiography Evaluation For Clinical Outcomes: An InteRnational Multicenter Registry). <i>Journal of the American College of Cardiology</i> , 2013 , 62, 468-76	15.1	156
372	A 15-Year Warranty Period for Asymptomatic Individuals Without Coronary Artery Calcium: A Prospective Follow-Up of 9,715 Individuals. <i>JACC: Cardiovascular Imaging</i> , 2015 , 8, 900-9	8.4	139
371	Coronary computed tomographic angiography as a gatekeeper to invasive diagnostic and surgical procedures: results from the multicenter CONFIRM (Coronary CT Angiography Evaluation for Clinical Outcomes: an International Multicenter) registry. <i>Journal of the American College of Cardiology</i> , 2012 , 60, 2103-14	15.1	124
370	Rationale and design of the CONFIRM (COroNary CT Angiography Evaluation For Clinical Outcomes: An InteRnational Multicenter) Registry. <i>Journal of Cardiovascular Computed Tomography</i> , 2011 , 5, 84-92	2.8	120

369	Prognostic and therapeutic implications of statin and aspirin therapy in individuals with nonobstructive coronary artery disease: results from the CONFIRM (COronary CT Angiography Evaluation For Clinical Outcomes: An InteRnational Multicenter registry) registry. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015 , 35, 981-9	9.4	101
368	Dual-enhanced cardiac CT for detection of left atrial appendage thrombus in patients with stroke: a prospective comparison study with transesophageal echocardiography. <i>Stroke</i> , 2011 , 42, 2471-7	6.7	96
367	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
366	Association between blood pressure variability and inflammatory marker in hypertensive patients. <i>Circulation Journal</i> , 2008 , 72, 293-8	2.9	89
365	Incremental prognostic utility of coronary CT angiography for asymptomatic patients based upon extent and severity of coronary artery calcium: results from the COronary CT Angiography Evaluation For Clinical Outcomes InteRnational Multicenter (CONFIRM) study. <i>European Heart Journal</i> , 2015 , 36, 501-9	9.5	87
364	Differences in prevalence, extent, severity, and prognosis of coronary artery disease among patients with and without diabetes undergoing coronary computed tomography angiography: results from 10,110 individuals from the CONFIRM (COronary CT Angiography Evaluation For Clinical Outcomes: An International Multicenter Study) Study. <i>Journal of the American College of Cardiology</i> , 2012 , 60, 1707-14	14.6	85
363	Incremental prognostic value of coronary computed tomographic angiography over coronary artery calcium score for risk prediction of major adverse cardiac events in asymptomatic diabetic individuals. <i>Atherosclerosis</i> , 2014 , 232, 298-304	3.1	77
362	Does coronary CT angiography improve risk stratification over coronary calcium scoring in symptomatic patients with suspected coronary artery disease? Results from the prospective multicenter international CONFIRM registry. <i>European Heart Journal Cardiovascular Imaging</i> , 2014 , 15, 267-74	4.1	77
361	Long-term safety and efficacy of imatinib in pulmonary arterial hypertension. <i>Journal of Heart and Lung Transplantation</i> , 2015 , 34, 1366-75	5.8	72
360	Anomalous origin of the right coronary artery from the left coronary sinus with an interarterial course: subtypes and clinical importance. <i>Radiology</i> , 2012 , 262, 101-8	20.5	72
359	Body mass index and the prevalence, severity, and risk of coronary artery disease: an international multicentre study of 13,874 patients. <i>European Heart Journal Cardiovascular Imaging</i> , 2013 , 14, 456-63	4.1	66
358	Native T1 Mapping by 3-T CMR Imaging for Characterization of Chronic Myocardial Infarctions. <i>JACC: Cardiovascular Imaging</i> , 2015 , 8, 1019-1030	8.4	64
357	Clinical Feasibility of 3D Automated Coronary Atherosclerotic Plaque Quantification Algorithm on Coronary Computed Tomography Angiography: Comparison with Intravascular Ultrasound. <i>European Radiology</i> , 2015 , 25, 3073-83	8	63
356	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
355	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
354	High Coronary Shear Stress in Patients With Coronary Artery Disease Predicts Myocardial Infarction. <i>Journal of the American College of Cardiology</i> , 2018 , 72, 1926-1935	15.1	62
353	Usefulness of 64-slice multidetector computed tomography as an initial diagnostic approach in patients with acute chest pain. <i>American Heart Journal</i> , 2008 , 156, 375-83	4.9	61
352	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

351	Age-related risk of major adverse cardiac event risk and coronary artery disease extent and severity by coronary CT angiography: results from 15 187 patients from the International Multisite CONFIRM Study. <i>European Heart Journal Cardiovascular Imaging</i> , 2014 , 15, 586-94	4.1	56
350	All-cause mortality benefit of coronary revascularization vs. medical therapy in patients without known coronary artery disease undergoing coronary computed tomographic angiography: results from CONFIRM (COronary CT Angiography EvaluatiON For Clinical Outcomes: An InteRnational Multicenter Registry). <i>European Heart Journal</i> , 2012 , 33, 3088-97	9.5	55
349	Statins use and coronary artery plaque composition: results from the International Multicenter CONFIRM Registry. <i>Atherosclerosis</i> , 2012 , 225, 148-53	3.1	55
348	Impact of Intensive LDL Cholesterol Lowering on Coronary Artery Atherosclerosis Progression: A Serial CT Angiography Study. <i>JACC: Cardiovascular Imaging</i> , 2017 , 10, 437-446	8.4	53
347	Long-Term Prognostic Utility of Coronary CT Angiography in Stable Patients With Diabetes Mellitus. <i>JACC: Cardiovascular Imaging</i> , 2016 , 9, 1280-1288	8.4	50
346	Coronary artery calcium scoring does not add prognostic value to standard 64-section CT angiography protocol in low-risk patients suspected of having coronary artery disease. <i>Radiology</i> , 2011 , 259, 92-9	20.5	50
345	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> , 2016 , 182, 72-79	4.9	49
344	Impact of serum calcium and phosphate on coronary atherosclerosis detected by cardiac computed tomography. <i>European Heart Journal</i> , 2012 , 33, 2873-81	9.5	48
343	Detection of occult coronary artery disease in asymptomatic individuals with diabetes mellitus using non-invasive cardiac angiography. <i>Atherosclerosis</i> , 2009 , 203, 442-8	3.1	48
342	Association of traditional cardiovascular risk factors with coronary plaque sub-types assessed by 64-slice computed tomography angiography in a large cohort of asymptomatic subjects. <i>Atherosclerosis</i> , 2009 , 206, 451-7	3.1	48
341	Assessment of subclinical coronary atherosclerosis in asymptomatic patients with type 2 diabetes mellitus with single photon emission computed tomography and coronary computed tomography angiography. <i>American Journal of Cardiology</i> , 2009 , 104, 890-6	3	46
340	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
339	Usefulness of coronary computed tomography angiography to predict mortality and myocardial infarction among Caucasian, African and East Asian ethnicities (from the CONFIRM [Coronary CT Angiography Evaluation for Clinical Outcomes: An International Multicenter] Registry). <i>American Journal of Cardiology</i> , 2013 , 111, 479-85	3	45
338	Impact of family history of coronary artery disease in young individuals (from the CONFIRM registry). <i>American Journal of Cardiology</i> , 2013 , 111, 1081-6	3	45
337	Absence of Coronary Artery Calcium Identifies Asymptomatic Diabetic Individuals at Low Near-Term But Not Long-Term Risk of Mortality: A 15-Year Follow-Up Study of 9715 Patients. <i>Circulation: Cardiovascular Imaging</i> , 2016 , 9, e003528	3.9	44
336	Quantification of Coronary Atherosclerosis in the Assessment of Coronary Artery Disease. <i>Circulation: Cardiovascular Imaging</i> , 2018 , 11, e007562	3.9	44
335	Differentiation between spontaneous echocardiographic contrast and left atrial appendage thrombus in patients with suspected embolic stroke using two-phase multidetector computed tomography. <i>American Journal of Cardiology</i> , 2010 , 106, 1174-81	3	44
334	Glycyrrhizin, inhibitor of high mobility group box-1, attenuates monocrotaline-induced pulmonary hypertension and vascular remodeling in rats. <i>Respiratory Research</i> , 2014 , 15, 148	7.3	43

333	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
332	Long-term prognostic impact of CT-Leaman score in patients with non-obstructive CAD: Results from the COronary CT Angiography Evaluation For Clinical Outcomes InteRnational Multicenter (CONFIRM) study. <i>International Journal of Cardiology</i> , 2017 , 231, 18-25	3.2	42
331	Differential effect of 3-dimensional color Doppler echocardiography for the quantification of mitral regurgitation according to the severity and characteristics. <i>Circulation: Cardiovascular Imaging</i> , 2014 , 7, 535-44	3.9	42
330	Effect of rosuvastatin on cardiac remodeling, function, and progression to heart failure in hypertensive heart with established left ventricular hypertrophy. <i>Hypertension</i> , 2009 , 54, 591-7	8.5	42
329	Cardiac magnetic resonance imaging-derived pulmonary artery distensibility index correlates with pulmonary artery stiffness and predicts functional capacity in patients with pulmonary arterial hypertension. <i>Circulation Journal</i> , 2011 , 75, 2244-51	2.9	41
328	Comparison of stress perfusion MRI and SPECT for detection of myocardial ischemia in patients with angiographically proven three-vessel coronary artery disease. <i>American Journal of Roentgenology</i> , 2010 , 195, 356-62	5.4	41
327	Coronary atherosclerosis detected by coronary CT angiography in asymptomatic subjects with early chronic kidney disease. <i>Atherosclerosis</i> , 2010 , 208, 406-11	3.1	41
326	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
325	Differential impact of metabolic syndrome on subclinical atherosclerosis according to the presence of diabetes. <i>Cardiovascular Diabetology</i> , 2013 , 12, 41	8.7	40
324	Relationship of insulin resistance estimated by triglyceride glucose index to arterial stiffness. <i>Lipids in Health and Disease</i> , 2018 , 17, 268	4.4	40
323	A method for classifying medical images using transfer learning: A pilot study on histopathology of breast cancer 2017 ,		39
322	Prognostic assessment of coronary artery bypass patients with 64-slice computed tomography angiography: anatomical information is incremental to clinical risk prediction. <i>Journal of the American College of Cardiology</i> , 2011 , 58, 2389-95	15.1	38
321	Impact of coronary computed tomographic angiography results on patient and physician behavior in a low-risk population. <i>Archives of Internal Medicine</i> , 2011 , 171, 1260-8		38
320	Stent-related cardiac events after non-cardiac surgery: drug-eluting stent vs. bare metal stent. <i>International Journal of Cardiology</i> , 2008 , 123, 353-4	3.2	38
319	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> , 2018 , 11, 1461-1471	8.4	38
318	Meaning of zero coronary calcium score in symptomatic patients referred for coronary computed tomographic angiography. <i>European Heart Journal Cardiovascular Imaging</i> , 2012 , 13, 776-85	4.1	36
317	Association between Aortic Atheroma and Cerebral Small Vessel Disease in Patients with Ischemic Stroke. <i>Journal of Stroke</i> , 2016 , 18, 312-320	5.6	36
316	Association of High-Density Calcified 1K Plaque With Risk of Acute Coronary Syndrome. <i>JAMA Cardiology</i> , 2020 , 5, 282-290	16.2	35

315	Dual-enhancement cardiac computed tomography for assessing left atrial thrombus and pulmonary veins before radiofrequency catheter ablation for atrial fibrillation. <i>American Journal of Cardiology</i> , 2013 , 112, 238-44	3	35
314	Relationship of Hypertension to Coronary Atherosclerosis and Cardiac Events in Patients With Coronary Computed Tomographic Angiography. <i>Hypertension</i> , 2017 , 70, 293-299	8.5	34
313	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
312	Aortic calcification is associated with arterial stiffening, left ventricular hypertrophy, and diastolic dysfunction in elderly male patients with hypertension. <i>Journal of Hypertension</i> , 2015 , 33, 1633-41	1.9	34
311	Prospective electrocardiogram-gated delayed enhanced multidetector computed tomography accurately quantifies infarct size and reduces radiation exposure. <i>JACC: Cardiovascular Imaging</i> , 2009 , 2, 412-20	8.4	34
310	Current status and characteristics of hypertension control in community resident elderly Korean people: data from a Korean longitudinal study on health and aging (KLoSHA study). <i>Hypertension Research</i> , 2008 , 31, 97-105	4.7	34
309	Primary cardiac lymphoma diagnosed by transvenous biopsy under transesophageal echocardiographic guidance and treated with systemic chemotherapy. <i>Echocardiography</i> , 2003 , 20, 101-3 ¹⁻⁵		34
308	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
307	Long term prognostic utility of coronary CT angiography in patients with no modifiable coronary artery disease risk factors: Results from the 5 year follow-up of the CONFIRM International Multicenter Registry. <i>Journal of Cardiovascular Computed Tomography</i> , 2016 , 10, 22-7	2.8	33
306	Coronary Atherosclerosis T-Weighed Characterization With Integrated Anatomical Reference: Comparison With High-Risk Plaque Features Detected by Invasive Coronary Imaging. <i>JACC: Cardiovascular Imaging</i> , 2017 , 10, 637-648	8.4	33
305	Sex-based prognostic implications of nonobstructive coronary artery disease: results from the international multicenter CONFIRM study. <i>Radiology</i> , 2014 , 273, 393-400	20.5	33
304	Endothelial dysfunction in patients with exaggerated blood pressure response during treadmill test. <i>Clinical Cardiology</i> , 2004 , 27, 421-5	3.3	32
303	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
302	Diagnostic Performance of Hybrid Cardiac Imaging Methods for Assessment of Obstructive Coronary Artery Disease Compared With Stand-Alone Coronary Computed Tomography Angiography: A Meta-Analysis. <i>JACC: Cardiovascular Imaging</i> , 2018 , 11, 589-599	8.4	31
301	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
300	Prognostic value of multidetector coronary computed tomography angiography in relation to exercise electrocardiogram in patients with suspected coronary artery disease. <i>Journal of the American College of Cardiology</i> , 2012 , 60, 2205-15	15.1	29
299	The absence of coronary artery calcification does not rule out the presence of significant coronary artery disease in Asian patients with acute chest pain. <i>International Journal of Cardiovascular Imaging</i> , 2012 , 28, 389-98	2.5	29
298	Long-term exercise training attenuates age-related diastolic dysfunction: association of myocardial collagen cross-linking. <i>Journal of Korean Medical Science</i> , 2009 , 24, 32-9	4.7	29

297	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
296	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
295	Cardiovascular risk among stable individuals suspected of having coronary artery disease with no modifiable risk factors: results from an international multicenter study of 5262 patients. <i>Radiology</i> , 2013 , 267, 718-26	20.5	26
294	Usefulness of left ventricular dyssynchrony after acute myocardial infarction, assessed by a tagging magnetic resonance image derived metric, as a determinant of ventricular remodeling. <i>American Journal of Cardiology</i> , 2009 , 104, 19-23	3	26
293	Association between high-sensitivity C-reactive protein and coronary plaque subtypes assessed by 64-slice coronary computed tomography angiography in an asymptomatic population. <i>Circulation: Cardiovascular Imaging</i> , 2011 , 4, 201-9	3.9	26
292	Comprehensive evaluation of coronary arteries by multidetector-row cardiac computed tomography according to the glucose level of asymptomatic individuals. <i>Atherosclerosis</i> , 2009 , 205, 156-62	2.1	26
291	Left ventricular function and volume with coronary CT angiography improves risk stratification and identification of patients at risk for incident mortality: results from 7758 patients in the prospective multinational CONFIRM observational cohort study. <i>Radiology</i> , 2014 , 273, 70-7	20.5	25
290	Prognostic significance of calcified plaque among symptomatic patients with nonobstructive coronary artery disease. <i>Journal of Nuclear Cardiology</i> , 2014 , 21, 453-66	2.1	25
289	Impact of subclinical hypothyroidism on the coronary artery disease in apparently healthy subjects. <i>European Journal of Endocrinology</i> , 2011 , 165, 115-21	6.5	25
288	Assessment of mechanical properties of common carotid artery in Takayasu's arteritis using velocity vector imaging. <i>Circulation Journal</i> , 2010 , 74, 1465-70	2.9	25
287	Hemodynamic and prognostic implications of net atrioventricular compliance in patients with mitral stenosis. <i>Journal of the American Society of Echocardiography</i> , 2008 , 21, 482-6	5.8	25
286	Clinical Implications and Determinants of Left Atrial Mechanical Dysfunction in Patients With Stroke. <i>Stroke</i> , 2016 , 47, 1444-51	6.7	25
285	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
284	Feasibility of Coronary F-Sodium Fluoride Positron-Emission Tomography Assessment With the Utilization of Previously Acquired Computed Tomography Angiography. <i>Circulation: Cardiovascular Imaging</i> , 2018 , 11, e008325	3.9	24
283	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
282	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
281	Improved 5-year prediction of all-cause mortality by coronary CT angiography applying the CONFIRM score. <i>European Heart Journal Cardiovascular Imaging</i> , 2017 , 18, 286-293	4.1	23
280	Potential association between coronary artery disease and the inflammatory biomarker YKL-40 in asymptomatic patients with type 2 diabetes mellitus. <i>Cardiovascular Diabetology</i> , 2012 , 11, 84	8.7	23

279	What have we learned from CONFIRM? Prognostic implications from a prospective multicenter international observational cohort study of consecutive patients undergoing coronary computed tomographic angiography. <i>Journal of Nuclear Cardiology</i> , 2012 , 19, 787-95	2.1	23
278	Rationale and design of the ViCTORY (Validation of an Intracycle CT Motion CORrection Algorithm for Diagnostic AccuracY) trial. <i>Journal of Cardiovascular Computed Tomography</i> , 2013 , 7, 200-6	2.8	22
277	The impact of obesity on subclinical coronary atherosclerosis according to the risk of cardiovascular disease. <i>Obesity</i> , 2014 , 22, 1762-8	8	22
276	HMG-CoA reductase inhibitor improves endothelial dysfunction in spontaneous hypertensive rats via down-regulation of caveolin-1 and activation of endothelial nitric oxide synthase. <i>Journal of Korean Medical Science</i> , 2010 , 25, 16-23	4.7	22
275	Association between increasing levels of hemoglobin A1c and coronary atherosclerosis in asymptomatic individuals without diabetes mellitus. <i>Coronary Artery Disease</i> , 2010 , 21, 157-63	1.4	22
274	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
273	Clinical Implications of Three-Dimensional Real-Time Color Doppler Transthoracic Echocardiography in Quantifying Mitral Regurgitation: A Comparison with Conventional Two-Dimensional Methods. <i>Journal of the American Society of Echocardiography</i> , 2017 , 30, 393-403.e7	5.8	21
272	Association of aortic phenotypes and mechanical function with left ventricular diastolic function in subjects with normally functioning bicuspid aortic valves and comparison to subjects with tricuspid aortic valves. <i>American Journal of Cardiology</i> , 2015 , 116, 1547-54	3	21
271	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
270	Current but not past smoking increases the risk of cardiac events: insights from coronary computed tomographic angiography. <i>European Heart Journal</i> , 2015 , 36, 1031-40	9.5	21
269	Gender differences in the prevalence, severity, and composition of coronary artery disease in the young: a study of 1635 individuals undergoing coronary CT angiography from the prospective, multinational confirm registry. <i>European Heart Journal Cardiovascular Imaging</i> , 2015 , 16, 490-9	4.1	21
268	Is metabolic syndrome predictive of prevalence, extent, and risk of coronary artery disease beyond its components? Results from the multinational coronary CT angiography evaluation for clinical outcome: an international multicenter registry (CONFIRM). <i>PLoS ONE</i> , 2015 , 10, e0118998	3.7	21
267	Medical history for prognostic risk assessment and diagnosis of stable patients with suspected coronary artery disease. <i>American Journal of Medicine</i> , 2015 , 128, 871-8	2.4	20
266	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
265	Incremental benefit of coronary artery calcium score above traditional risk factors for all-cause mortality in asymptomatic Korean adults. <i>Circulation Journal</i> , 2015 , 79, 2445-51	2.9	20
264	Vena contracta width as a predictor of adverse outcomes in patients with severe isolated tricuspid regurgitation. <i>Journal of the American Society of Echocardiography</i> , 2011 , 24, 1013-9	5.8	20
263	Aortic stenosis: evaluation with multidetector CT angiography and MR imaging. <i>Korean Journal of Radiology</i> , 2008 , 9, 439-48	6.9	20
262	Metabolic syndrome does not impact long-term survival in patients with acute myocardial infarction after successful percutaneous coronary intervention with drug-eluting stents. <i>Catheterization and Cardiovascular Interventions</i> , 2014 , 83, 713-20	2.7	19

261	High serum advanced glycation end-products predict coronary artery disease irrespective of arterial stiffness in diabetic patients. <i>Korean Circulation Journal</i> , 2012 , 42, 335-40	2.2	19
260	Incremental Value of Left Atrial Global Longitudinal Strain for Prediction of Post Stroke Atrial Fibrillation in Patients with Acute Ischemic Stroke. <i>Journal of Cardiovascular Imaging</i> , 2016 , 24, 20-7	0	19
259	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
258	Coronary dominance and prognosis in patients undergoing coronary computed tomographic angiography: results from the CONFIRM (COronary CT Angiography EvaluationN For Clinical Outcomes: An InteRnational Multicenter) registry. <i>European Heart Journal Cardiovascular Imaging</i> , 2015 , 16, 653-62	4.1	18
257	Accuracy of CT for Selecting Candidates for Coronary Artery Bypass Graft Surgery: Combination with the SYNTAX Score. <i>Radiology</i> , 2015 , 276, 390-9	20.5	18
256	Automated quantification of mitral regurgitation by three dimensional real time full volume color Doppler transthoracic echocardiography: a validation with cardiac magnetic resonance imaging and comparison with two dimensional quantitative methods. <i>Journal of Cardiovascular Imaging</i> , 2013 , 21, 81-9	0	18
255	Prognostic value of coronary computed tomography angiography in stroke patients. <i>Atherosclerosis</i> , 2015 , 238, 271-7	3.1	17
254	Usefulness of Intraprocedural Coronary Computed Tomographic Angiography During Intervention for Chronic Total Coronary Occlusion. <i>American Journal of Cardiology</i> , 2016 , 117, 1868-76	3	17
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252	Is reduced bone mineral density independently associated with coronary artery calcification in subjects older than 50 years?. <i>Journal of Bone and Mineral Metabolism</i> , 2011 , 29, 369-76	2.9	17
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