Hyuk-Jae Chang

List of Publications by Year
in descending order

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410 papers	14,702 citations	28190 55 h-index	31759 101 g-index
420 all docs	420 docs citations	420 times ranked	13139 citing authors

#	Article	IF	Citations
1	AI Evaluation of Stenosis on Coronary CTA, Comparison With Quantitative Coronary Angiography and Fractional Flow Reserve. JACC: Cardiovascular Imaging, 2023, 16, 193-205.	2.3	46
2	Associations between dyspnoea, coronary atherosclerosis, and cardiovascular outcomes: results from the long-term follow-up CONFIRM registry. European Heart Journal Cardiovascular Imaging, 2022, 23, 266-274.	0.5	4
3	2020 KSC/KATRD Guideline for the Diagnosis and Treatment of Pulmonary Hypertension: Executive Summary. Tuberculosis and Respiratory Diseases, 2022, 85, 1-10.	0.7	6
4	Prognostic significance of plaque location in non-obstructive coronary artery disease: from the CONFIRM registry. European Heart Journal Cardiovascular Imaging, 2022, 23, 1240-1247.	0.5	7
5	Comparison of coronary atherosclerotic plaque progression in East Asians and Caucasians by serial coronary computed tomographic angiography: A PARADIGM substudy. Journal of Cardiovascular Computed Tomography, 2022, 16, 222-229.	0.7	1
6	Plaque progression: Where, why, and how fast? A review of what we have learned from the analysis of patient data from the PARADIGM registry. Journal of Cardiovascular Computed Tomography, 2022, 16, 294-302.	0.7	3
7	Reconnection of fragmented parts of coronary arteries using local geometric features in X-ray angiography images. Computers in Biology and Medicine, 2022, 141, 105099.	3.9	3
8	Association of Plaque Location and Vessel Geometry Determined by Coronary Computed Tomographic Angiography With Future Acute Coronary Syndromeâ€“Causing Culprit Lesions. JAMA Cardiology, 2022, 7, 309.	3.0	13
9	Vessel-specific plaque features on coronary computed tomography angiography among patients of varying atherosclerotic cardiovascular disease risk. European Heart Journal Cardiovascular Imaging, 2022, 23, 1171-1179.	0.5	2
10	The effect of scan and patient parameters on the diagnostic performance of AI for detecting coronary stenosis on coronary CT angiography. Clinical Imaging, 2022, 84, 149-158.	0.8	4
11	Comparison of a Machine Learning Method and Various Equations for Estimating Low-Density Lipoprotein Cholesterol in Korean Populations. Frontiers in Cardiovascular Medicine, 2022, 9, 824574.	1.1	8
12	Fully automated quantification of cardiac chamber and function assessment in 2-D echocardiography: clinical feasibility of deep learning-based algorithms. International Journal of Cardiovascular Imaging, 2022, 38, 1047-1059.	0.7	3
13	OUP accepted manuscript. European Heart Journal Cardiovascular Imaging, 2022, , .	0.5	0
14	Coronary CTA plaque volume severity stages according to invasive coronary angiography and FFR. Journal of Cardiovascular Computed Tomography, 2022, 16, 415-422.	0.7	15
15	Coronary CTA With AI-QCT Interpretation: Comparison With Myocardial Perfusion Imaging for Detection of Obstructive Stenosis Using Invasive Angiography as Reference Standard. American Journal of Roentgenology, 2022, 219, 407-419.	1.0	14
16	Relationship Between Coronary Artery Calcium and Atherosclerosis Progression Among Patients With Suspected Coronary Artery Disease. JACC: Cardiovascular Imaging, 2022, 15, 1063-1074.	2.3	20
17	Longitudinal Quantitative Assessment of Coronary Atherosclerotic Plaque Burden Related to Serum Hemoglobin Levels. JACC Asia, 2022, 2, 311-319.	0.5	2
18	Real-world practice patterns and characteristics of adverse events with selexipag in Korean patients with pulmonary arterial hypertension. Expert Opinion on Drug Safety, 2022, 21, 1423-1432.	1.0	1

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19	Aspirin and Statin Therapy for Nonobstructive Coronary Artery Disease: Five-year Outcomes from the CONFIRM Registry. Radiology: Cardiothoracic Imaging, 2022, 4, e210225.	0.9	6
20	Age related compositional plaque burden by CT in patients with future ACS. Journal of Cardiovascular Computed Tomography, 2022, 16, 491-497.	0.7	4
21	Accuracy and influencing factors of the Field Triage Decision Scheme for adult trauma patients at a level-1 trauma center in Korea. BMC Emergency Medicine, 2022, 22, .	0.7	1
22	Association Between Changes in Perivascular Adipose Tissue Density andÂPlaque Progression. JACC: Cardiovascular Imaging, 2022, 15, 1760-1767.	2.3	19
23	Age- and sex-related features of atherosclerosis from coronary computed tomography angiography in patients prior to acute coronary syndrome: results from the ICONIC study. European Heart Journal Cardiovascular Imaging, 2021, 22, 24-33.	0.5	19
24	Impact of age on coronary artery plaque progression and clinical outcome: A PARADIGM substudy. Journal of Cardiovascular Computed Tomography, 2021, 15, 232-239.	0.7	12
25	The Relationship Between Coronary Calcification and the Natural History of Coronary Artery Disease. JACC: Cardiovascular Imaging, 2021, 14, 233-242.	2.3	44
26	CT Angiographic and Plaque Predictors of Functionally Significant Coronary Disease and Outcome Using Machine Learning. JACC: Cardiovascular Imaging, 2021, 14, 629-641.	2.3	46
27	Society of Cardiovascular Computed Tomography / North American Society of Cardiovascular Imaging â€“ Expert Consensus Document on Coronary CT Imaging of Atherosclerotic Plaque. Journal of Cardiovascular Computed Tomography, 2021, 15, 93-109.	0.7	117
28	Independent association of serum uric acid levels with arterial stiffness in the absence of established cardiovascular disorders. International Journal of Clinical Practice, 2021, 75, e13720.	0.8	0
29	Assessment of Image Quality for Selective Intracoronary Contrast-Injected CT Angiography in a Hybrid Angio-CT System: A Feasibility Study in Swine. Yonsei Medical Journal, 2021, 62, 200.	0.9	1
30	Artificial Intelligence and Echocardiography. Journal of Cardiovascular Imaging, 2021, 29, 193.	0.2	14
31	Bayesian Estimation of Geometric Morphometric Landmarks for Simultaneous Localization of Multiple Anatomies in Cardiac CT Images. Entropy, 2021, 23, 64.	1.1	1
32	Prognostic value of left atrial volume index in patients with rheumatic mitral stenosis. Clinical Cardiology, 2021, 44, 364-370.	0.7	2
33	End-to-End, Pixel-Wise Vessel-Specific Coronary and Aortic Calcium Detection and Scoring Using Deep Learning. Diagnostics, 2021, 11, 215.	1.3	10
34	Identification of susceptibility loci for cardiovascular disease in adults with hypertension, diabetes, and dyslipidemia. Journal of Translational Medicine, 2021, 19, 85.	1.8	16
35	Effects of Orlistat/Phentermine versus Phentermine on Vascular Endothelial Cell Function in Obese and Overweight Adults: A Randomized, Double-Blinded, Placebo-Controlled Trial. Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy, 2021, Volume 14, 941-950.	1.1	3
36	Effects of chronic kidney disease and declining renal function on coronary atherosclerotic plaque progression: a PARADIGM substudy. European Heart Journal Cardiovascular Imaging, 2021, 22, 1072-1082.	0.5	8

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37	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. BMC Cardiovascular Disorders, 2021, 21, 35.	0.7	1
38	Sex differences in coronary artery calcium progression: The Korea Initiatives on Coronary Artery Calcification (KOICA) registry. PLoS ONE, 2021, 16, e0248884.	1.1	6
39	High-Risk Morphological and Physiological Coronary Disease Attributes as Outcome Markers After Medical Treatment and Revascularization. JACC: Cardiovascular Imaging, 2021, 14, 1977-1989.	2.3	16
40	Concurrent smoking and alcohol consumers had higher triglyceride glucose indices than either only smokers or alcohol consumers: a cross-sectional study in Korea. Lipids in Health and Disease, 2021, 20, 49.	1.2	7
41	Atherogenic index of plasma and the risk of rapid progression of coronary atherosclerosis beyond traditional risk factors. Atherosclerosis, 2021, 324, 46-51.	0.4	41
42	Association of the new visceral adiposity index with coronary artery calcification and arterial stiffness in Korean population. Nutrition, Metabolism and Cardiovascular Diseases, 2021, 31, 1774-1781.	1.1	8
43	Comparison of the effectiveness of Martinâ€™s equation, Friedewaldâ€™s equation, and a Novel equation in low-density lipoprotein cholesterol estimation. Scientific Reports, 2021, 11, 13545.	1.6	19
44	The role of cardiac CT throughout the full cardiac cycle in diagnosing patent foramen ovale in patients with acute stroke. European Radiology, 2021, 31, 8983-8990.	2.3	5
45	Effect of Coronary CTA on ChronicÂTotalÂOcclusion Percutaneous CoronaryÂIntervention. JACC: Cardiovascular Imaging, 2021, 14, 1993-2004.	2.3	41
46	Prognostic Implications of Comprehensive Whole Vessel Plaque Quantification Using Coronary Computed Tomography Angiography. JACC Asia, 2021, 1, 37-48.	0.5	7
47	Development and Validation of a Deep Learning Based Diabetes Prediction System Using a Nationwide Population-Based Cohort. Diabetes and Metabolism Journal, 2021, 45, 515-525.	1.8	8
48	Progression of whole-heart Atherosclerosis by coronary CT and major adverse cardiovascular events. Journal of Cardiovascular Computed Tomography, 2021, 15, 322-330.	0.7	19
49	Association between Aortic Valve Calcification Progression and Coronary Atherosclerotic Plaque Volume Progression in the PARADIGM Registry. Radiology, 2021, 300, 79-86.	3.6	10
50	Differential progression of coronary atherosclerosis according to plaque composition: a cluster analysis of PARADIGM registry data. Scientific Reports, 2021, 11, 17121.	1.6	11
51	Association of Tube Voltage With Plaque Composition on Coronary CT Angiography. JACC: Cardiovascular Imaging, 2021, 14, 2429-2440.	2.3	15
52	Plaque Character and Progression According to the Location of Coronary Atherosclerotic Plaque. American Journal of Cardiology, 2021, 158, 15-22.	0.7	3
53	Association of Statin Treatment With Progression of Coronary Atherosclerotic Plaque Composition. JAMA Cardiology, 2021, 6, 1257.	3.0	70
54	Association between blood pressure classification defined by the 2017 ACC/AHA guidelines and coronary artery calcification progression in an asymptomatic adult population. European Heart Journal Open, 2021, 1, .	0.9	2

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55	Measurement of compensatory arterial remodelling over time with serial coronary computed tomography angiography and 3D metrics. European Heart Journal Cardiovascular Imaging, 2021, , .	0.5	0
56	Efficacy and Safety of Switching to Teneligliptin in Patients with Type 2 Diabetes Inadequately Controlled with Dipeptidyl Peptidase-4 Inhibitors: 52-Week Results from a Prospective Observational Study. Diabetes Therapy, 2021, 12, 2907-2920.	1.2	3
57	Topological Data Analysis of Coronary Plaques Demonstrates the Natural History of Coronary Atherosclerosis. JACC: Cardiovascular Imaging, 2021, 14, 1410-1421.	2.3	16
58	Multi-Scale Conditional Generative Adversarial Network for Small-Sized Lung Nodules Using Class Activation Region Influence Maximization. IEEE Access, 2021, 9, 139426-139437.	2.6	4
59	Comparative differences in the atherosclerotic disease burden between the epicardial coronary arteries: quantitative plaque analysis on coronary computed tomography angiography. European Heart Journal Cardiovascular Imaging, 2021, 22, 322-330.	0.5	11
60	Optimal combinations of systolic and diastolic blood pressure in Korea: A nationwide populationâ€based cohort study. Journal of Clinical Hypertension, 2021, 23, 85-95.	1.0	0
61	Relationship of age, atherosclerosis and angiographic stenosis using artificial intelligence. Open Heart, 2021, 8, e001832.	0.9	5
62	Predictors of 18F-sodium fluoride uptake in patients with stable coronary artery disease and adverse plaque features on computed tomography angiography. European Heart Journal Cardiovascular Imaging, 2020, 21, 58-66.	0.5	50
63	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. European Heart Journal, 2020, 41, 359-367.	1.0	137
64	Machine learning based risk prediction model for asymptomatic individuals who underwent coronary artery calcium score: Comparison with traditional risk prediction approaches. Journal of Cardiovascular Computed Tomography, 2020, 14, 168-176.	0.7	23
65	Association of dietary lipid intake with low-density lipoprotein cholesterol levels: analysis of two independent population-based studies. European Journal of Nutrition, 2020, 59, 2557-2567.	1.8	6
66	Differences in Progression to Obstructive Lesions per High-Risk Plaque Features and Plaque Volumes With CCTA. JACC: Cardiovascular Imaging, 2020, 13, 1409-1417.	2.3	58
67	Identification and Quantification of Cardiovascular Structures From CCTA. JACC: Cardiovascular Imaging, 2020, 13, 1163-1171.	2.3	44
68	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. Journal of Cardiovascular Computed Tomography, 2020, 14, 251-257.	0.7	18
69	Sex Differences in Compositional Plaque Volume Progression in Patients With Coronary Artery Disease. JACC: Cardiovascular Imaging, 2020, 13, 2386-2396.	2.3	26
70	Determinants of clinical outcomes in patients with mixed mitral valve disease. Echocardiography, 2020, 37, 1164-1170.	0.3	1
71	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. Cardiovascular Diabetology, 2020, 19, 113.	2.7	39
72	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 TmoGraphic Angiography Imaging (PARADIGM) study. International Journal of Cardiovascular Imaging, 2020, 36, 2357-2364.	0.7	7

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73	Prognostic significance of subtle coronary calcification in patients with zero coronary artery calcium score: From the CONFIRM registry. Atherosclerosis, 2020, 309, 33-38.	0.4	14
74	Association of Cardiovascular Disease Risk Factor Burden With Progression of Coronary Atherosclerosis Assessed by Serial Coronary Computed Tomographic Angiography. JAMA Network Open, 2020, 3, e2011444.	2.8	26
75	A Boosted Ensemble Algorithm for Determination of Plaque Stability in High-Risk Patients on Coronary CTA. JACC: Cardiovascular Imaging, 2020, 13, 2162-2173.	2.3	34
76	Prevalence and clinical features of bone morphogenetic protein receptor type 2 mutation in Korean idiopathic pulmonary arterial hypertension patients: The PILGRIM explorative cohort. PLoS ONE, 2020, 15, e0238698.	1.1	10
77	Association of optimal blood pressure with mortality in patients taking antihypertensive medications. Journal of Clinical Hypertension, 2020, 22, 2035-2043.	1.0	6
78	Atherogenic index of plasma and the risk of advanced subclinical coronary artery disease beyond traditional risk factors: An observational cohort study. Clinical Cardiology, 2020, 43, 1398-1404.	0.7	23
79	Stress Myocardial Perfusion Imaging vs Coronary Computed Tomographic Angiography for Diagnosis of Invasive Vessel-Specific Coronary Physiology. JAMA Cardiology, 2020, 5, 1338.	3.0	55
80	Atherogenic index of plasma and coronary artery calcification progression beyond traditional risk factors according to baseline coronary artery calcium score. Scientific Reports, 2020, 10, 21324.	1.6	15
81	Deep Learning Cross-Phase Style Transfer for Motion Artifact Correction in Coronary Computed Tomography Angiography. IEEE Access, 2020, 8, 81849-81863.	2.6	14
82	Automatic segmentation of multiple cardiovascular structures from cardiac computed tomography angiography images using deep learning. PLoS ONE, 2020, 15, e0232573.	1.1	23
83	Effectiveness of Fimasartan and Rosuvastatin Combination Treatment in Hypertensive Patients With Dyslipidemia. Clinical Therapeutics, 2020, 42, 1058-1066.e3.	1.1	0
84	Non-obstructive high-risk plaques increase the risk of future culprit lesions comparable to obstructive plaques without high-risk features: the ICONIC study. European Heart Journal Cardiovascular Imaging, 2020, 21, 973-980.	0.5	26
85	Multicenter Study on the Diagnostic Performance of Native-T1 Cardiac Magnetic Resonance of Chronic Myocardial Infarctions at 3T. Circulation: Cardiovascular Imaging, 2020, 13, e009894.	1.3	10
86	Triglyceride glucose index is an independent predictor for the progression of coronary artery calcification in the absence of heavy coronary artery calcification at baseline. Cardiovascular Diabetology, 2020, 19, 34.	2.7	88
87	Feasibility and accuracy of a novel automated three-dimensional ultrasonographic analysis system for abdominal aortic aneurysm: comparison with two-dimensional ultrasonography and computed tomography. Cardiovascular Ultrasound, 2020, 18, 24.	0.5	6
88	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. PLoS ONE, 2020, 15, e0233791.	1.1	14
89	Machine Learning Framework to Identify Individuals at Risk of Rapid Progression of Coronary Atherosclerosis: From the PARADIGM Registry. Journal of the American Heart Association, 2020, 9, e013958.	1.6	53
90	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. European Heart Journal Cardiovascular Imaging, 2020, 21, 479-488.	0.5	36

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91	Increased long-term mortality in women with high left ventricular ejection fraction: data from the CONFIRM (COronary CT Angiography EvaluatioN For Clinical Outcomes: An InteRnational Multicenter) long-term registry. European Heart Journal Cardiovascular Imaging, 2020, 21, 363-374.	0.5	25
92	Association of High-Density Calcified 1K Plaque With Risk of Acute Coronary Syndrome. JAMA Cardiology, 2020, 5, 282.	3.0	90
93	Development and External Validation of a Deep Learning Algorithm for Prognostication of Cardiovascular Outcomes. Korean Circulation Journal, 2020, 50, 72.	0.7	5
94	Percent atheroma volume: Optimal variable to report whole-heart atherosclerotic plaque burden with coronary CTA, the PARADIGM study. Journal of Cardiovascular Computed Tomography, 2020, 14, 400-406.	0.7	29
95	Diagnostic Accuracy of a Novel On-site Virtual Fractional Flow Reserve Parallel Computing System. Yonsei Medical Journal, 2020, 61, 137.	0.9	1
96	Prognostic value of chronic total occlusions detected on coronary computed tomographic angiography. Heart, 2019, 105, 196-203.	1.2	10
97	Clinical applications of machine learning in cardiovascular disease and its relevance to cardiac imaging. European Heart Journal, 2019, 40, 1975-1986.	1.0	327
98	PM2.5 concentration in the ambient air is a risk factor for the development of high-risk coronary plaques. European Heart Journal Cardiovascular Imaging, 2019, 20, 1355-1364.	0.5	53
99	Should CT replace IVUS for evaluation of CAD in large-scale clinical trials: Effects of medical therapy on atherosclerotic plaque. Journal of Cardiovascular Computed Tomography, 2019, 13, 248-253.	0.7	8
100	Identification of coronary arteries in CT images by Bayesian analysis of geometric relations among anatomical landmarks. Pattern Recognition, 2019, 96, 106958.	5.1	7
101	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) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf Journal of Cardiology, 2019, 124, 1397-1405.	0.7	14
102	Increased risk of atherosclerotic cardiovascular disease among patients with psoriasis in Korea: A 15â€year nationwide populationâ€based cohort study. Journal of Dermatology, 2019, 46, 859-866.	0.6	23
103	Predicting Cardiac Arrest and Respiratory Failure Using Feasible Artificial Intelligence with Simple Trajectories of Patient Data. Journal of Clinical Medicine, 2019, 8, 1336.	1.0	33
104	Development and verification of prediction models for preventing cardiovascular diseases. PLoS ONE, 2019, 14, e0222809.	1.1	18
105	PRavastatin Versus FluVastatin After Statin Intolerance: The PRUV-Intolerance Study With Propensity Score Matching. American Journal of Medicine, 2019, 132, 1320-1326.e1.	0.6	4
106	Risk stratification of non-obstructive coronary artery disease for guidance of preventive medical therapy. Atherosclerosis, 2019, 290, 66-73.	0.4	16
107	Point of Care Clinical Risk Score to Improve the Negative Diagnostic Utility of an Agatston Score of Zero. Circulation: Cardiovascular Imaging, 2019, 12, e008737.	1.3	8
108	Recent Advances in Cardiac Magnetic Resonance Imaging. Korean Circulation Journal, 2019, 49, 146.	0.7	15

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109	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. Korean Circulation Journal, 2019, 49, 173.	0.7	5
110	A cross-sectional survey of coronary plaque composition in individuals on non-statin lipid lowering drug therapies and undergoing coronary computed tomography angiography. Journal of Cardiovascular Computed Tomography, 2019, 13, 99-104.	0.7	2
111	Longitudinal quantitative assessment of coronary plaque progression related to body mass index using serial coronary computed tomography angiography. European Heart Journal Cardiovascular Imaging, 2019, 20, 591-599.	0.5	10
112	Efficacy and Safety of Udenafil for the Treatment of Pulmonary Arterial Hypertension: a Placebo-controlled, Double-blind, Phase IIb Clinical Trial. Clinical Therapeutics, 2019, 41, 1499-1507.	1.1	13
113	Efficacy and Safety of Switching to Teneligliptin in Patients with Type 2 Diabetes Inadequately Controlled with Dipeptidyl Peptidase-4 Inhibitors: A 12-Week Interim Report. Diabetes Therapy, 2019, 10, 1271-1282.	1.2	8
114	Prognostic Implications of Plaque Characteristics and Stenosis Severity in Patients With Coronary Artery Disease. Journal of the American College of Cardiology, 2019, 73, 2413-2424.	1.2	115
115	Evaluation of Coronary Artery Calcium Progression in Asymptomatic Individuals with an Initial Score of Zero. Korean Circulation Journal, 2019, 49, 448.	0.7	10
116	Long-term prognostic utility of computed tomography coronary angiography in older populations. European Heart Journal Cardiovascular Imaging, 2019, 20, 1279-1286.	0.5	12
117	Prognostic Implications of the Left Atrial Volume Index in Patients with Progressive Mitral Stenosis. Journal of Cardiovascular Imaging, 2019, 27, 122.	0.2	5
118	Acute Hemodynamic Changes after Single Administration of Udenafil in Pulmonary Arterial Hypertension: a Phase IIa Study. Korean Circulation Journal, 2019, 49, 353.	0.7	6
119	Statin and clinical outcomes of primary prevention in individuals aged >75â€¯years: The SCOPE-75 study. Atherosclerosis, 2019, 284, 31-36.	0.4	27
120	Image-Based Flow Simulations of Pre- and Post-left Atrial Appendage Closure in the Left Atrium. Cardiovascular Engineering and Technology, 2019, 10, 225-241.	0.7	20
121	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. European Heart Journal Cardiovascular Imaging, 2019, 20, 1307-1314.	0.5	60
122	Peri-Coronary Adipose Tissue Density IsÂAssociated With 18F-Sodium Fluoride Coronary Uptake in Stable Patients WithÂHigh-Risk Plaques. JACC: Cardiovascular Imaging, 2019, 12, 2000-2010.	2.3	129
123	Population-based dementia prediction model using Korean public health examination data: A cohort study. PLoS ONE, 2019, 14, e0211957.	1.1	9
124	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) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 123, 1435-1442.	0.7	12
125	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. International Journal of Environmental Research and Public Health, 2019, 16, 5134.	1.2	6
126	A New Fracture Liaison Service Using the Mobile Application and IoT Sensor. , 2019, 2019, 3486-3489.		4

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127	Machine learning algorithm to predict coronary artery calcification in asymptomatic healthy population. , 2019, , .		1
128	Comparing the feasibility and accuracy of threeâ€dimensional ultrasound to twoâ€dimensional ultrasound and computed tomography angiography in the assessment of carotid atherosclerosis. Echocardiography, 2019, 36, 2241-2250.	0.3	6
129	Fully Automated CT Quantification of Epicardial Adipose Tissue by Deep Learning: A Multicenter Study. Radiology: Artificial Intelligence, 2019, 1, e190045.	3.0	83
130	Relationship between the optimal cut-off values of anthropometric indices for predicting metabolic syndrome and carotid intima-medial thickness in a Korean population. Medicine (United States), 2019, 98, e17620.	0.4	6
131	Three-Hour Delayed Imaging Improves Assessment of Coronary ¹⁸F-Sodium Fluoride PET. Journal of Nuclear Medicine, 2019, 60, 530-535.	2.8	44
132	Longitudinal assessment of coronary plaque volume change related to glycemic status using serial coronary computed tomography angiography: A PARADIGM (Progression of AtheRosclerotic PlAque) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Computed Tomography, 2019, 13, 142-147.	0.7	25
133	Selective Referral Using CCTA Versus Direct Referral for Individuals Referred toÂInvasive Coronary Angiography forÂSuspected CAD. JACC: Cardiovascular Imaging, 2019, 12, 1303-1312.	2.3	99
134	Clinical feasibility of catheter-directed selective intracoronary computed tomography angiography using an extremely low dose of iodine in patients with coronary artery disease. European Radiology, 2019, 29, 2218-2225.	2.3	0
135	Quantitative Evaluation of High-Risk Coronary Plaque by Coronary CTA and Subsequent Acute Coronary Events. JACC: Cardiovascular Imaging, 2019, 12, 1568-1571.	2.3	5
136	Consistency of quantitative analysis of coronary computed tomography angiography. Journal of Cardiovascular Computed Tomography, 2019, 13, 48-54.	0.7	22
137	Deep learning-based stenosis quantification from coronary CT angiography. , 2019, 10949, .		27
138	Cox Proportional Hazard Regression Versus a Deep Learning Algorithm in the Prediction of Dementia: An Analysis Based on Periodic Health Examination. JMIR Medical Informatics, 2019, 7, e13139.	1.3	16
139	Influence of symptom typicality for predicting MACE in patients without obstructive coronary artery disease: From the CONFIRM Registry (Coronary Computed Tomography Angiography Evaluation for) Tj ETQq1 1 0.784314 rgBT /Over	2.8	8
140	Diagnostic Performance of a Novel Coronary CT Angiography Algorithm: Prospective Multicenter Validation of an Intracycle CT Motion Correction Algorithm for Diagnostic Accuracy. American Journal of Roentgenology, 2018, 210, 1208-1215.	1.0	6
141	Assessment of multidirectional movements of the common carotid artery in atherothrombotic stroke using dimensional speckle tracking carotid ultrasonography: A prospective, controlled cohort study. Echocardiography, 2018, 35, 957-964.	0.3	4
142	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. Cardiology, 2018, 140, 14-20.	0.6	3
143	Prediction of infarct size and adverse cardiac outcomes by tissue tracking-cardiac magnetic resonance imaging in ST-segment elevation myocardial infarction. European Radiology, 2018, 28, 3454-3463.	2.3	17
144	Prognostic value of coronary computed tomographic angiography findings in asymptomatic individuals: a 6-year follow-up from the prospective multicentre international CONFIRM study. European Heart Journal, 2018, 39, 934-941.	1.0	100

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145	Incremental prognostic value of coronary computed tomography angiography over coronary calcium scoring for major adverse cardiac events in elderly asymptomatic individuals. European Heart Journal Cardiovascular Imaging, 2018, 19, 675-683.	0.5	34
146	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. Journal of Cardiovascular Computed Tomography, 2018, 12, 204-209.	0.7	137
147	Three-dimensional Cardiomyocytes Structure Revealed By Diffusion Tensor Imaging and Its Validation Using a Tissue-Clearing Technique. Scientific Reports, 2018, 8, 6640.	1.6	22
148	Accelerated Cardiac Diffusion Tensor Imaging Using Joint Low-Rank and Sparsity Constraints. IEEE Transactions on Biomedical Engineering, 2018, 65, 2219-2230.	2.5	12
149	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. JACC: Cardiovascular Imaging, 2018, 11, 450-458.	2.3	60
150	Different infarction patterns in patients with aortic atheroma compared to those with cardioembolism or large artery atherosclerosis. Journal of Neurology, 2018, 265, 151-158.	1.8	11
151	Diagnostic Performance of Hybrid Cardiac Imaging Methods for Assessment of Obstructive Coronary Artery Disease Compared With Stand-Alone Coronary Computed Tomography Angiography. JACC: Cardiovascular Imaging, 2018, 11, 589-599.	2.3	49
152	The Authorsâ€™ Reply:. JACC: Cardiovascular Imaging, 2018, 11, 1931-1932.	2.3	0
153	Relationship of insulin resistance estimated by triglyceride glucose index to arterial stiffness. Lipids in Health and Disease, 2018, 17, 268.	1.2	69
154	Feasibility of Coronary ¹⁸ F-Sodium Fluoride Positron-Emission Tomography Assessment With the Utilization of Previously Acquired Computed Tomography Angiography. Circulation: Cardiovascular Imaging, 2018, 11, e008325.	1.3	36
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156	Usefulness of baseline statin therapy in non-obstructive coronary artery disease by coronary computed tomographic angiography: From the CONFIRM (COronary CT Angiography EvaluatioN For) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.1	18
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