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	Age- and Sex-Related Differences in All-Cause Mortality Risk Based on Coronary Computed Tomography Angiography Findings. Journal of the American College of Cardiology, 2011, 58, 849-860.	1.2	668
2	Machine learning for prediction of all-cause mortality in patients with suspected coronary artery disease: a 5-year multicentre prospective registry analysis. European Heart Journal, 2017, 38, ehw188.	1.0	447
3	Effects of Statins on CoronaryÂAtherosclerotic Plaques. JACC: Cardiovascular Imaging, 2018, 11, 1475-1484.	2.3	335
4	Coronary Atherosclerotic Precursors of Acute Coronary Syndromes. Journal of the American College of Cardiology, 2018, 71, 2511-2522.	1.2	328
5	Clinical applications of machine learning in cardiovascular disease and its relevance to cardiac imaging. European Heart Journal, 2019, 40, 1975-1986.	1.0	327
6	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. Journal of the American College of Cardiology, 2011, 58, 2533-2540.	1.2	321
7	Adenosine Stress 64- and 256-Row Detector Computed Tomography Angiography and Perfusion Imaging. Circulation: Cardiovascular Imaging, 2009, 2, 174-182.	1.3	305
8	Coronary Computed Tomography Angiography as a Screening Tool for the Detection of Occult Coronary Artery Disease in Asymptomatic Individuals. Journal of the American College of Cardiology, 2008, 52, 357-365.	1.2	294
9	Impact of Arterial Load and Loading Sequence on Left Ventricular Tissue Velocities in Humans. Journal of the American College of Cardiology, 2007, 50, 1570-1577.	1.2	280
10	Performance of the Traditional Age, Sex, and Angina Typicalityâ€“Based Approach for Estimating Pretest Probability of Angiographically Significant Coronary Artery Disease in Patients Undergoing Coronary Computed Tomographic Angiography. Circulation, 2011, 124, 2423-2432.	1.6	263
11	Atherosclerotic Plaque Characteristics byÂCT Angiography Identify Coronary Lesions That Cause Ischemia. JACC: Cardiovascular Imaging, 2015, 8, 1-10.	2.3	241
12	Optimized Prognostic Score for Coronary Computed Tomographic Angiography. Journal of the American College of Cardiology, 2013, 62, 468-476.	1.2	224
13	A 15-Year Warranty Period for Asymptomatic Individuals Without Coronary Artery Calcium. JACC: Cardiovascular Imaging, 2015, 8, 900-909.	2.3	204
14	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). Circulation, 2012, 126, 304-313.	1.6	202
15	Incremental Prognostic Value of Cardiac Computed Tomography in Coronary Artery Disease Using CONFIRM. Circulation: Cardiovascular Imaging, 2011, 4, 463-472.	1.3	201
16	Rationale and design of the CONFIRM (COronary CT Angiography EvaluatioN For Clinical Outcomes: An) Tj ETQq0 0 0 rgBT /Overlock 10	0.7	152
17	Prognostic and Therapeutic Implications of Statin and Aspirin Therapy in Individuals With Nonobstructive Coronary Artery Disease. Arteriosclerosis, Thrombosis, and Vascular Biology, 2015, 35, 981-989.	1.1	147
18	Coronary Computed Tomographic Angiography as a Gatekeeper to Invasive Diagnostic and Surgical Procedures. Journal of the American College of Cardiology, 2012, 60, 2103-2114.	1.2	144

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19	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
20	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
21	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
22	High Coronary Shear Stress in Patients With Coronary Artery Disease Predicts Myocardial Infarction. Journal of the American College of Cardiology, 2018, 72, 1926-1935.	1.2	124
23	Differences in Prevalence, Extent, Severity, and Prognosis of Coronary Artery Disease Among Patients With and Without Diabetes Undergoing Coronary Computed Tomography Angiography. Diabetes Care, 2012, 35, 1787-1794.	4.3	120
24	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
25	Association Between Blood Pressure Variability and Inflammatory Marker in Hypertensive Patients. Circulation Journal, 2008, 72, 293-298.	0.7	115
26	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
27	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. European Heart Journal, 2015, 36, 501-508.	1.0	111
28	Dual-Enhanced Cardiac CT for Detection of Left Atrial Appendage Thrombus in Patients With Stroke. Stroke, 2011, 42, 2471-2477.	1.0	110
29	Long-term safety and efficacy of imatinib in pulmonary arterial hypertension. Journal of Heart and Lung Transplantation, 2015, 34, 1366-1375.	0.3	103
30	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. Atherosclerosis, 2014, 232, 298-304.	0.4	102
31	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. European Heart Journal Cardiovascular Imaging, 2014, 15, 267-274.	0.5	100
32	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
33	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
34	Clinical Feasibility of 3D Automated Coronary Atherosclerotic Plaque Quantification Algorithm on Coronary Computed Tomography Angiography: Comparison with Intravascular Ultrasound. European Radiology, 2015, 25, 3073-3083.	2.3	95
35	Anomalous Origin of the Right Coronary Artery from the Left Coronary Sinus with an Interarterial Course: Subtypes and Clinical Importance. Radiology, 2012, 262, 101-108.	3.6	91
36	Association of High-Density Calcified 1K Plaque With Risk of Acute Coronary Syndrome. JAMA Cardiology, 2020, 5, 282.	3.0	90

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37	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
38	Fully Automated CT Quantification of Epicardial Adipose Tissue by Deep Learning: A Multicenter Study. Radiology: Artificial Intelligence, 2019, 1, e190045.	3.0	83
39	Quantification of Coronary Atherosclerosis in the Assessment of Coronary Artery Disease. Circulation: Cardiovascular Imaging, 2018, 11, e007562.	1.3	81
40	Body mass index and the prevalence, severity, and risk of coronary artery disease: an international multicentre study of 13 874 patients. European Heart Journal Cardiovascular Imaging, 2013, 14, 456-463.	0.5	80
41	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. European Heart Journal Cardiovascular Imaging, 2014, 15, 586-594.	0.5	77
42	Native T 1 Mapping by 3-T CMR ImagingÂforÂCharacterization of Chronic Myocardial Infarctions. JACC: Cardiovascular Imaging, 2015, 8, 1019-1030.	2.3	75
43	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. American Heart Journal, 2016, 182, 72-79.	1.2	75
44	A method for classifying medical images using transfer learning: A pilot study on histopathology of breast cancer. , 2017, , .		75
45	Impact of Intensive LDL Cholesterol Lowering onÂCoronary Artery Atherosclerosis Progression. JACC: Cardiovascular Imaging, 2017, 10, 437-446.	2.3	73
46	Statins use and coronary artery plaque composition: Results from the International Multicenter CONFIRM Registry. Atherosclerosis, 2012, 225, 148-153.	0.4	72
47	Long-Term Prognostic Utility of CoronaryÂCTÂAngiography in Stable Patients WithÂDiabetes Mellitus. JACC: Cardiovascular Imaging, 2016, 9, 1280-1288.	2.3	70
48	Association of Statin Treatment With Progression of Coronary Atherosclerotic Plaque Composition. JAMA Cardiology, 2021, 6, 1257.	3.0	70
49	Usefulness of 64-slice multidetector computed tomography as an initial diagnostic approach in patients with acute chest pain. American Heart Journal, 2008, 156, 375-383.	1.2	69
50	Impact of serum calcium and phosphate on coronary atherosclerosis detected by cardiac computed tomography. European Heart Journal, 2012, 33, 2873-2881.	1.0	69
51	Relationship of insulin resistance estimated by triglyceride glucose index to arterial stiffness. Lipids in Health and Disease, 2018, 17, 268.	1.2	69
52	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) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 13	1.0	65
53	Natural History of Diabetic Coronary Atherosclerosis by Quantitative Measurement of Serial Coronary Computed Tomographic Angiography. JACC: Cardiovascular Imaging, 2018, 11, 1461-1471.	2.3	64
54	Absence of Coronary Artery Calcium Identifies Asymptomatic Diabetic Individuals at Low Near-Term But Not Long-Term Risk of Mortality. Circulation: Cardiovascular Imaging, 2016, 9, e003528.	1.3	62

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55	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. Atherosclerosis, 2009, 206, 451-457.	0.4	60
56	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
57	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
58	Impact of Family History of Coronary Artery Disease in Young Individuals (from the CONFIRM Registry). American Journal of Cardiology, 2013, 111, 1081-1086.	0.7	58
59	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
60	Cardiac Magnetic Resonance Imaging-Derived Pulmonary Artery Distensibility Index Correlates With Pulmonary Artery Stiffness and Predicts Functional Capacity in Patients With Pulmonary Arterial Hypertension. Circulation Journal, 2011, 75, 2244-2251.	0.7	57
61	Relationship of Hypertension to Coronary Atherosclerosis and Cardiac Events in Patients With Coronary Computed Tomographic Angiography. Hypertension, 2017, 70, 293-299.	1.3	57
62	Detection of occult coronary artery disease in asymptomatic individuals with diabetes mellitus using non-invasive cardiac angiography. Atherosclerosis, 2009, 203, 442-448.	0.4	56
63	Usefulness of Coronary Computed Tomography Angiography to Predict Mortality and Myocardial Infarction Among Caucasian, African and East Asian Ethnicities (from the CONFIRM [Coronary CT) Tj ETQq1 1 0.784314 rgBT /Overlock Journal of Cardiology, 2013, 111, 479-485.	0.7	56
64	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. International Journal of Cardiology, 2017, 231, 18-25.	0.8	56
65	Impact of Coronary Computed Tomographic Angiography Results on Patient and Physician Behavior in a Low-Risk Population. Archives of Internal Medicine, 2011, 171, 1260.	4.3	55
66	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. Radiology, 2011, 259, 92-99.	3.6	55
67	Differential Effect of 3-Dimensional Color Doppler Echocardiography for the Quantification of Mitral Regurgitation According to the Severity and Characteristics. Circulation: Cardiovascular Imaging, 2014, 7, 535-544.	1.3	55
68	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
69	Glycyrrhizin, inhibitor of high mobility group box-1, attenuates monocrotaline-induced pulmonary hypertension and vascular remodeling in rats. Respiratory Research, 2014, 15, 148.	1.4	53
70	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
71	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
72	Effect of Rosuvastatin on Cardiac Remodeling, Function, and Progression to Heart Failure in Hypertensive Heart With Established Left Ventricular Hypertrophy. Hypertension, 2009, 54, 591-597.	1.3	52

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73	Comparison of Stress Perfusion MRI and SPECT for Detection of Myocardial Ischemia in Patients With Angiographically Proven Three-Vessel Coronary Artery Disease. American Journal of Roentgenology, 2010, 195, 356-362.	1.0	51
74	Assessment of Subclinical Coronary Atherosclerosis in Asymptomatic Patients With Type 2 Diabetes Mellitus With Single Photon Emission Computed Tomography and Coronary Computed Tomography Angiography. American Journal of Cardiology, 2009, 104, 890-896.	0.7	50
75	Prognostic Assessment of Coronary Artery Bypass Patients With 64-Slice Computed Tomography Angiography. Journal of the American College of Cardiology, 2011, 58, 2389-2395.	1.2	50
76	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
77	Meaning of zero coronary calcium score in symptomatic patients referred for coronary computed tomographic angiography. European Heart Journal Cardiovascular Imaging, 2012, 13, 776-785.	0.5	49
78	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
79	Differentiation Between Spontaneous Echocardiographic Contrast and Left Atrial Appendage Thrombus in Patients With Suspected Embolic Stroke Using Two-Phase Multidetector Computed Tomography. American Journal of Cardiology, 2010, 106, 1174-1181.	0.7	48
80	Coronary atherosclerosis detected by coronary CT angiography in asymptomatic subjects with early chronic kidney disease. Atherosclerosis, 2010, 208, 406-411.	0.4	46
81	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. Journal of Cardiovascular Computed Tomography, 2016, 10, 22-27.	0.7	46
82	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
83	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
84	Differential impact of metabolic syndrome on subclinical atherosclerosis according to the presence of diabetes. Cardiovascular Diabetology, 2013, 12, 41.	2.7	45
85	Sex-based Prognostic Implications of Nonobstructive Coronary Artery Disease: Results from the International Multicenter CONFIRM Study. Radiology, 2014, 273, 393-400.	3.6	45
86	Three-Hour Delayed Imaging Improves Assessment of Coronary ¹⁸F-Sodium Fluoride PET. Journal of Nuclear Medicine, 2019, 60, 530-535.	2.8	44
87	Identification and Quantification of Cardiovascular Structures From CCTA. JACC: Cardiovascular Imaging, 2020, 13, 1163-1171.	2.3	44
88	The Relationship Between Coronary Calcification and the Natural History of Coronary Artery Disease. JACC: Cardiovascular Imaging, 2021, 14, 233-242.	2.3	44
89	Dual-Enhancement Cardiac Computed Tomography for Assessing Left Atrial Thrombus and Pulmonary Veins Before Radiofrequency Catheter Ablation for Atrial Fibrillation. American Journal of Cardiology, 2013, 112, 238-244.	0.7	43
90	Coronary Atherosclerosis T1-Weighed Characterization With Integrated Anatomical Reference. JACC: Cardiovascular Imaging, 2017, 10, 637-648.	2.3	43

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91	Stent-related cardiac events after non-cardiac surgery: Drug-eluting stent vs. bare metal stent. International Journal of Cardiology, 2008, 123, 353-354.	0.8	42
92	Aortic calcification is associated with arterial stiffening, left ventricular hypertrophy, and diastolic dysfunction in elderly male patients with hypertension. Journal of Hypertension, 2015, 33, 1633-1641.	0.3	42
93	Association between Aortic Atheroma and Cerebral Small Vessel Disease in Patients with Ischemic Stroke. Journal of Stroke, 2016, 18, 312-320.	1.4	42
94	A Bayesian Network Model for Predicting Post-stroke Outcomes With Available Risk Factors. Frontiers in Neurology, 2018, 9, 699.	1.1	41
95	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
96	Effect of Coronary CTA on ChronicÂTotalÂOcclusion Percutaneous CoronaryÂIntervention. JACC: Cardiovascular Imaging, 2021, 14, 1993-2004.	2.3	41
97	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
98	Endothelial dysfunction in patients with exaggerated blood pressure response during treadmill test. Clinical Cardiology, 2004, 27, 421-425.	0.7	38
99	Primary Cardiac Lymphoma Diagnosed by Transvenous Biopsy Under Transesophageal Echocardiographic Guidance and Treated with Systemic Chemotherapy. Echocardiography, 2003, 20, 101-103.	0.3	36
100	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). Hypertension Research, 2008, 31, 97-105.	1.5	36
101	Prospective Electrocardiogram-Gated Delayed Enhanced Multidetector Computed Tomography Accurately Quantifies Infarct Size and Reduces Radiation Exposure. JACC: Cardiovascular Imaging, 2009, 2, 412-420.	2.3	36
102	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
103	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
104	What have we learned from CONFIRM? Prognostic implications from a prospective multicenter international observational cohort study of consecutive patients undergoing coronary computed tomographic angiography. Journal of Nuclear Cardiology, 2012, 19, 787-795.	1.4	35
105	Long-Term Exercise Training Attenuates Age-Related Diastolic Dysfunction: Association of Myocardial Collagen Cross-Linking. Journal of Korean Medical Science, 2009, 24, 32.	1.1	34
106	Association Between High-Sensitivity C-Reactive Protein and Coronary Plaque Subtypes Assessed by 64-Slice Coronary Computed Tomography Angiography in an Asymptomatic Population. Circulation: Cardiovascular Imaging, 2011, 4, 201-209.	1.3	34
107	The absence of coronary artery calcification does not rule out the presence of significant coronary artery disease in Asian patients with acute chest pain. International Journal of Cardiovascular Imaging, 2012, 28, 389-398.	0.7	34
108	Current but not past smoking increases the risk of cardiac events: insights from coronary computed tomographic angiography. European Heart Journal, 2015, 36, 1031-1040.	1.0	34

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109	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
110	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
111	The relationship of insulin resistance estimated by triglyceride glucose index and coronary plaque characteristics. Medicine (United States), 2018, 97, e10726.	0.4	33
112	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
113	Coronary dominance and prognosis in patients undergoing coronary computed tomographic angiography: results from the CONFIRM (COronary CT Angiography EvaluatioN For Clinical Outcomes:) Tj ETQq1 1 0.784314 rgBT /Over 853-862.	0.5	32
114	Clinical Implications and Determinants of Left Atrial Mechanical Dysfunction in Patients With Stroke. Stroke, 2016, 47, 1444-1451.	1.0	32
115	Association of Aortic Phenotypes and Mechanical Function With Left Ventricular Diastolic Function in Subjects With Normally Functioning Bicuspid Aortic Valves and Comparison toÂSubjects With Tricuspid Aortic Valves. American Journal of Cardiology, 2015, 116, 1547-1554.	0.7	31
116	Predictive Value of Age- and Sex-Specific Nomograms of Global Plaque Burden on Coronary Computed Tomography Angiography for Major Cardiac Events. Circulation: Cardiovascular Imaging, 2017, 10, .	1.3	31
117	Comprehensive evaluation of coronary arteries by multidetector-row cardiac computed tomography according to the glucose level of asymptomatic individuals. Atherosclerosis, 2009, 205, 156-162.	0.4	30
118	Assessment of Mechanical Properties of Common Carotid Artery in Takayasu's Arteritis Using Velocity Vector Imaging. Circulation Journal, 2010, 74, 1465-1470.	0.7	30
119	Impact of subclinical hypothyroidism on the coronary artery disease in apparently healthy subjects. European Journal of Endocrinology, 2011, 165, 115-121.	1.9	30
120	Prognostic Value of Multidetector Coronary Computed Tomography Angiography in Relation to Exercise Electrocardiogram in Patients With Suspected Coronary Artery Disease. Journal of the American College of Cardiology, 2012, 60, 2205-2215.	1.2	30
121	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. Radiology, 2014, 273, 70-77.	3.6	30
122	Prognostic significance of calcified plaque among symptomatic patients with nonobstructive coronary artery disease. Journal of Nuclear Cardiology, 2014, 21, 453-466.	1.4	30
123	Medical History for Prognostic Risk Assessment and Diagnosis of Stable Patients with Suspected Coronary Artery Disease. American Journal of Medicine, 2015, 128, 871-878.	0.6	30
124	Improved 5-year prediction of all-cause mortality by coronary CT angiography applying the CONFIRM score. European Heart Journal Cardiovascular Imaging, 2017, 18, 286-293.	0.5	30
125	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. European Heart Journal Cardiovascular Imaging, 2015, 16, 490-499.	0.5	29
126	Clinical Implications of Three-Dimensional Real-Time Color Doppler Transthoracic Echocardiography in Quantifying Mitral Regurgitation: A Comparison with Conventional Two-Dimensional Methods. Journal of the American Society of Echocardiography, 2017, 30, 393-403.e7.	1.2	29

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127	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
128	Usefulness of Left Ventricular Dyssynchrony After Acute Myocardial Infarction, Assessed by a Tagging Magnetic Resonance Image Derived Metric, as a Determinant of Ventricular Remodeling. American Journal of Cardiology, 2009, 104, 19-23.	0.7	28
129	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. Radiology, 2013, 267, 718-726.	3.6	28
130	Impact of D-Dimer for Prediction of Incident Occult Cancer in Patients with Unprovoked Venous Thromboembolism. PLoS ONE, 2016, 11, e0153514.	1.1	28
131	Hemodynamic and Prognostic Implications of Net Atrioventricular Compliance in Patients with Mitral Stenosis. Journal of the American Society of Echocardiography, 2008, 21, 482-486.	1.2	27
132	Association between increasing levels of hemoglobin A1c and coronary atherosclerosis in asymptomatic individuals without diabetes mellitus. Coronary Artery Disease, 2010, 21, 157-163.	0.3	27
133	Statin and clinical outcomes of primary prevention in individuals aged >75â€¯years: The SCOPE-75 study. Atherosclerosis, 2019, 284, 31-36.	0.4	27
134	Deep learning-based stenosis quantification from coronary CT angiography. , 2019, 10949, .		27
135	Use of Machine Leaning Classifiers and Sensor Data to Detect Neurological Deficit in Stroke Patients. Journal of Medical Internet Research, 2017, 19, e120.	2.1	27
136	The impact of obesity on subclinical coronary atherosclerosis according to the risk of cardiovascular disease. Obesity, 2014, 22, 1762-1768.	1.5	26
137	Incremental Benefit of Coronary Artery Calcium Score Above Traditional Risk Factors for All-Cause Mortality in Asymptomatic Korean Adults. Circulation Journal, 2015, 79, 2445-2451.	0.7	26
138	A Clinical Model to Identify Patients With High-Risk Coronary Artery Disease. JACC: Cardiovascular Imaging, 2015, 8, 427-434.	2.3	26
139	Sex Differences in Compositional Plaque Volume Progression in Patients With Coronary Artery Disease. JACC: Cardiovascular Imaging, 2020, 13, 2386-2396.	2.3	26
140	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
141	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
142	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). PLoS ONE, 2015, 10, e0118998.	1.1	26
143	Potential association between coronary artery disease and the inflammatory biomarker YKL-40 in asymptomatic patients with type 2 diabetes mellitus. Cardiovascular Diabetology, 2012, 11, 84.	2.7	25
144	Prognostic value of coronary computed tomography angiography in stroke patients. Atherosclerosis, 2015, 238, 271-277.	0.4	25

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145	Incremental Value of Left Atrial Global Longitudinal Strain for Prediction of Post Stroke Atrial Fibrillation in Patients with Acute Ischemic Stroke. Journal of Cardiovascular Imaging, 2016, 24, 20.	0.8	25
146	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
147	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
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