

Stephan Achenbach

List of Publications by Year in descending order

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232
papers

28,769
citations

13854

67
h-index

5384

164
g-index

292
all docs

292
docs citations

292
times ranked

18626
citing authors

#	ARTICLE	IF	CITATIONS
1	2018 ESC/EACTS Guidelines on myocardial revascularization. <i>European Heart Journal</i> , 2019, 40, 87-165.	1.0	4,537
2	2019 ESC Guidelines for the diagnosis and management of chronic coronary syndromes. <i>European Heart Journal</i> , 2020, 41, 407-477.	1.0	4,210
3	Diagnostic Performance of Noninvasive Fractional Flow Reserve Derived From Coronary Computed Tomography Angiography in Suspected Coronary Artery Disease. <i>Journal of the American College of Cardiology</i> , 2014, 63, 1145-1155.	1.2	1,240
4	Detection of Calcified and Noncalcified Coronary Atherosclerotic Plaque by Contrast-Enhanced, Submillimeter Multidetector Spiral Computed Tomography. <i>Circulation</i> , 2004, 109, 14-17.	1.6	797
5	SCCT guidelines for the interpretation and reporting of coronary CT angiography: A report of the Society of Cardiovascular Computed Tomography Guidelines Committee. <i>Journal of Cardiovascular Computed Tomography</i> , 2014, 8, 342-358.	0.7	755
6	Age- and Sex-Related Differences in All-Cause Mortality Risk Based on Coronary Computed Tomography Angiography Findings. <i>Journal of the American College of Cardiology</i> , 2011, 58, 849-860.	1.2	668
7	SCCT guidelines for the interpretation and reporting of coronary computed tomographic angiography. <i>Journal of Cardiovascular Computed Tomography</i> , 2009, 3, 122-136.	0.7	666
8	Non-invasive detection of coronary inflammation using computed tomography and prediction of residual cardiovascular risk (the CRISP CT study): a post-hoc analysis of prospective outcome data. <i>Lancet</i> , 2018, 392, 929-939.	6.3	589
9	Detecting human coronary inflammation by imaging perivascular fat. <i>Science Translational Medicine</i> , 2017, 9, .	5.8	562
10	Coronary computed tomography angiography with a consistent dose below 1 mSv using prospectively electrocardiogram-triggered high-pitch spiral acquisition. <i>European Heart Journal</i> , 2010, 31, 340-346.	1.0	542
11	SCCT expert consensus document on computed tomography imaging before transcatheter aortic valve implantation (TAVI)/transcatheter aortic valve replacement (TAVR). <i>Journal of Cardiovascular Computed Tomography</i> , 2012, 6, 366-380.	0.7	532
12	Noninvasive Assessment of Plaque Morphology and Composition in Culprit and Stable Lesions in Acute Coronary Syndrome and Stable Lesions in Stable Angina by Multidetector Computed Tomography. <i>Journal of the American College of Cardiology</i> , 2006, 47, 1655-1662.	1.2	527
13	The CT-STAT (Coronary Computed Tomographic Angiography for Systematic Triage of Acute Chest Pain) Trial. <i>Journal of the American College of Cardiology</i> , 2014, 64, 1073-1082.	1.2	522
14	Coronary Computed Tomography Angiography for Early Triage of Patients With Acute Chest Pain. <i>Journal of the American College of Cardiology</i> , 2009, 53, 1642-1650.	1.2	512
15	CAD-RADSTM Coronary Artery Disease Reporting and Data System. An expert consensus document of the Society of Cardiovascular Computed Tomography (SCCT), the American College of Radiology (ACR) and the North American Society for Cardiovascular Imaging (NASCI). Endorsed by the American College of Cardiology. <i>Journal of Cardiovascular Computed Tomography</i> , 2016, 10, 269-281.	0.7	480
16	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, ehw188.	1.0	447
17	Noninvasive Coronary Angiography by Retrospectively ECG-Gated Multislice Spiral CT. <i>Circulation</i> , 2000, 102, 2823-2828.	1.6	405
18	assessment of coronary remodeling in stenotic and nonstenotic coronary atherosclerotic lesions by multidetector spiral computed tomography. <i>Journal of the American College of Cardiology</i> , 2004, 43, 842-847.	1.2	378

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19	Progression of Aortic Valve Calcification. <i>Circulation</i> , 2001, 104, 1927-1932.	1.6	377
20	Contrast-enhanced coronary artery visualization by dual-source computed tomography—Initial experience. <i>European Journal of Radiology</i> , 2006, 57, 331-335.	1.2	368
21	Influence of Lipid-Lowering Therapy on the Progression of Coronary Artery Calcification. <i>Circulation</i> , 2002, 106, 1077-1082.	1.6	338
22	Computed Tomography Imaging in the Context of Transcatheter Aortic Valve Implantation (TAVI)/Transcatheter Aortic Valve Replacement (TAVR). <i>JACC: Cardiovascular Imaging</i> , 2019, 12, 1-24.	2.3	310
23	A novel machine learning-derived radiotranscriptomic signature of perivascular fat improves cardiac risk prediction using coronary CT angiography. <i>European Heart Journal</i> , 2019, 40, 3529-3543.	1.0	268
24	Computed tomography imaging in the context of transcatheter aortic valve implantation (TAVI) / transcatheter aortic valve replacement (TAVR): An expert consensus document of the Society of Cardiovascular Computed Tomography. <i>Journal of Cardiovascular Computed Tomography</i> , 2019, 13, 1-20.	0.7	258
25	Coronary plaque quantification and fractional flow reserve by coronary computed tomography angiography identify ischaemia-causing lesions. <i>European Heart Journal</i> , 2016, 37, 1220-1227.	1.0	257
26	CAD-RADS—Coronary Artery Disease—Reporting and Data System. <i>Journal of the American College of Radiology</i> , 2016, 13, 1458-1466.e9.	0.9	251
27	High-pitch spiral acquisition: A new scan mode for coronary CT angiography. <i>Journal of Cardiovascular Computed Tomography</i> , 2009, 3, 117-121.	0.7	233
28	Image Quality and Radiation Exposure With a Low Tube Voltage Protocol for Coronary CT Angiography. <i>JACC: Cardiovascular Imaging</i> , 2010, 3, 1113-1123.	2.3	208
29	Noninvasive Fractional Flow Reserve Derived From Coronary CT Angiography. <i>JACC: Cardiovascular Imaging</i> , 2015, 8, 1209-1222.	2.3	206
30	Computed Tomography Coronary Angiography. <i>Journal of the American College of Cardiology</i> , 2006, 48, 1919-1928.	1.2	197
31	Pericoronary Adipose Tissue Computed Tomography Attenuation and High-Risk Plaque Characteristics in Acute Coronary Syndrome Compared With Stable Coronary Artery Disease. <i>JAMA Cardiology</i> , 2018, 3, 858.	3.0	186
32	Admission of patients with STEMI since the outbreak of the COVID-19 pandemic: a survey by the European Society of Cardiology. <i>European Heart Journal Quality of Care & Clinical Outcomes</i> , 2020, 6, 210-216.	1.8	181
33	Detection of coronary artery stenoses using multi-detector CT with 16—0.75 collimation and 375—ms rotation. <i>European Heart Journal</i> , 2005, 26, 1978-1986.	1.0	163
34	Accuracy of Fractional Flow Reserve Derived From Coronary Angiography. <i>Circulation</i> , 2019, 139, 477-484.	1.6	151
35	Detection of Coronary Artery Stenoses by Low-Dose, Prospectively ECG-Triggered, High-Pitch Spiral Coronary CT Angiography. <i>JACC: Cardiovascular Imaging</i> , 2011, 4, 328-337.	2.3	148
36	Prognostic and Therapeutic Implications of Statin and Aspirin Therapy in Individuals With Nonobstructive Coronary Artery Disease. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015, 35, 981-989.	1.1	147

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37	Influence of Coronary Calcification on the Diagnostic Performance of CT Angiography Derived FFR in Coronary Artery Disease. <i>JACC: Cardiovascular Imaging</i> , 2015, 8, 1045-1055.	2.3	145
38	Epicardial adipose tissue density and volume are related to subclinical atherosclerosis, inflammation and major adverse cardiac events in asymptomatic subjects. <i>Journal of Cardiovascular Computed Tomography</i> , 2018, 12, 67-73.	0.7	143
39	Integrated prediction of lesion-specific ischaemia from quantitative coronary CT angiography using machine learning: a multicentre study. <i>European Radiology</i> , 2018, 28, 2655-2664.	2.3	135
40	Contemporary practice and technical aspects in coronary intervention with bioresorbable scaffolds: a European perspective. <i>EuroIntervention</i> , 2015, 11, 45-52.	1.4	131
41	Coronary Computed Tomographic Prediction Rule for Time-Efficient Guidewire Crossing Through Chronic Total Occlusion. <i>JACC: Cardiovascular Interventions</i> , 2015, 8, 257-267.	1.1	129
42	Relationship between changes in pericoronary adipose tissue attenuation and coronary plaque burden quantified from coronary computed tomography angiography. <i>European Heart Journal Cardiovascular Imaging</i> , 2019, 20, 636-643.	0.5	129
43	Randomized Comparison of 64-Slice Single- and Dual-Source Computed Tomography Coronary Angiography for the Detection of Coronary Artery Disease. <i>JACC: Cardiovascular Imaging</i> , 2008, 1, 177-186.	2.3	113
44	Transradial versus transfemoral approach for coronary angiography and intervention in patients above 75 years of age. <i>Catheterization and Cardiovascular Interventions</i> , 2008, 72, 629-635.	0.7	112
45	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, 501-508.	1.0	111
46	Sex-Specific Associations Between Coronary Artery Plaque Extent and Risk of Major Adverse Cardiovascular Events. <i>JACC: Cardiovascular Imaging</i> , 2016, 9, 364-372.	2.3	108
47	Imaging of coronary atherosclerosis by computed tomography. <i>European Heart Journal</i> , 2010, 31, 1442-1448.	1.0	106
48	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.	0.4	102
49	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.	1.0	100
50	Comparison of Image Quality in Contrast-enhanced Coronary-artery Visualization by Electron Beam Tomography and Retrospectively Electrocardiogram-gated Multislice Spiral Computed Tomography. <i>Investigative Radiology</i> , 2003, 38, 119-128.	3.5	95
51	Lesion-Specific and Vessel-Related Determinants of Fractional Flow Reserve Beyond Coronary Artery Stenosis. <i>JACC: Cardiovascular Imaging</i> , 2018, 11, 521-530.	2.3	95
52	The Coronary Artery Disease Reporting and Data System (CAD-RADS). <i>JACC: Cardiovascular Imaging</i> , 2018, 11, 78-89.	2.3	91
53	Quantitative global plaque characteristics from coronary computed tomography angiography for the prediction of future cardiac mortality during long-term follow-up. <i>European Heart Journal Cardiovascular Imaging</i> , 2017, 18, 1331-1339.	0.5	90
54	Prognostic Value and Risk Continuum of Noninvasive Fractional Flow Reserve Derived from Coronary CT Angiography. <i>Radiology</i> , 2019, 292, 343-351.	3.6	89

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55	Influence of slice thickness and reconstruction kernel on the computed tomographic attenuation of coronary atherosclerotic plaque. <i>Journal of Cardiovascular Computed Tomography</i> , 2010, 4, 110-115.	0.7	87
56	The diagnostic accuracy and outcomes after coronary computed tomography angiography vs. conventional functional testing in patients with stable angina pectoris: a systematic review and meta-analysis. <i>European Heart Journal Cardiovascular Imaging</i> , 2014, 15, 961-971.	0.5	86
57	Deep learning-enabled coronary CT angiography for plaque and stenosis quantification and cardiac risk prediction: an international multicentre study. <i>The Lancet Digital Health</i> , 2022, 4, e256-e265.	5.9	85
58	Fully Automated CT Quantification of Epicardial Adipose Tissue by Deep Learning: A Multicenter Study. <i>Radiology: Artificial Intelligence</i> , 2019, 1, e190045.	3.0	83
59	Prospectively ECG-triggered high-pitch coronary angiography with third-generation dual-source CT at 70 kVp tube voltage: Feasibility, image quality, radiation dose, and effect of iterative reconstruction. <i>Journal of Cardiovascular Computed Tomography</i> , 2014, 8, 418-425.	0.7	81
60	CAD-RADSâ„¢ 2.0 - 2022 Coronary Artery Disease-Reporting and Data System. <i>Journal of Cardiovascular Computed Tomography</i> , 2022, 16, 536-557.	0.7	80
61	Superior Risk Stratification With Coronary Computed Tomography Angiography Using a Comprehensive Atherosclerotic Risk Score. <i>JACC: Cardiovascular Imaging</i> , 2019, 12, 1987-1997.	2.3	78
62	Machine learning to predict the long-term risk of myocardial infarction and cardiac death based on clinical risk, coronary calcium, and epicardial adipose tissue: a prospective study. <i>Cardiovascular Research</i> , 2020, 116, 2216-2225.	1.8	78
63	Cardiac CT: State of the art for the detection of coronary arterial stenosis. <i>Journal of Cardiovascular Computed Tomography</i> , 2007, 1, 3-20.	0.7	77
64	Deep Learningâ€“Based Quantification of Epicardial Adipose Tissue Volume and Attenuation Predicts Major Adverse Cardiovascular Events in Asymptomatic Subjects. <i>Circulation: Cardiovascular Imaging</i> , 2020, 13, e009829.	1.3	77
65	Management of therapeutic anticoagulation in patients with intracerebral haemorrhage and mechanical heart valves. <i>European Heart Journal</i> , 2018, 39, 1709-1723.	1.0	76
66	CT Angiography for Revascularization of â€ˆACTO. <i>JACC: Cardiovascular Imaging</i> , 2015, 8, 846-858.	2.3	72
67	Long-Term Prognostic Utility of Coronary â€ˆAngiography in Stable Patients With â€ˆDiabetes Mellitus. <i>JACC: Cardiovascular Imaging</i> , 2016, 9, 1280-1288.	2.3	70
68	Oversizing in transcatheter aortic valve replacement, a commonly used term but a poorly understood one: Dependency on definition and geometrical measurements. <i>Journal of Cardiovascular Computed Tomography</i> , 2014, 8, 67-76.	0.7	69
69	Comparison of quantitative atherosclerotic plaque burden from coronary CT angiography in patients with first acute coronary syndrome and stable coronary artery disease. <i>Journal of Cardiovascular Computed Tomography</i> , 2014, 8, 368-374.	0.7	68
70	Comparison of Fractional Flow Reserve Based on Computational Fluid Dynamics Modeling Using Coronary Angiographic Vessel Morphology Versus Invasively Measured Fractional Flow Reserve. <i>American Journal of Cardiology</i> , 2016, 117, 29-35.	0.7	68
71	Automated Quantitative Plaque Burden from Coronary CT Angiography Noninvasively Predicts Hemodynamic Significance by using Fractional Flow Reserve in Intermediate Coronary Lesions. <i>Radiology</i> , 2015, 276, 408-415.	3.6	67
72	Imaging in ESC clinical guidelines: chronic coronary syndromes. <i>European Heart Journal Cardiovascular Imaging</i> , 2019, 20, 1187-1197.	0.5	67

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73	Quantification of epicardial fat by computed tomography: Why, when and how?. Journal of Cardiovascular Computed Tomography, 2013, 7, 3-10.	0.7	65
74	Rationale and design of the HeartFlowNXT (HeartFlow analysis of coronary blood flow using CT) Tj ETQq0 0 0 rgBT JOverlock 10 Tf 50 70	0.7	64
75	FFR Derived From Coronary CT Angiography in Nonculprit Lesions of Patients With Recent STEMI. JACC: Cardiovascular Imaging, 2017, 10, 424-433.	2.3	64
76	Perivascular Fat Attenuation Index Stratifies Cardiac Risk Associated With High-Risk Plaques in the CRISP-CT Study. Journal of the American College of Cardiology, 2020, 76, 755-757.	1.2	59
77	Relationship of Hypertension to Coronary Atherosclerosis and Cardiac Events in Patients With Coronary Computed Tomographic Angiography. Hypertension, 2017, 70, 293-299.	1.3	57
78	C-reactive protein levels predict systolic heart failure and outcome in patients with first ST-elevation myocardial infarction treated with coronary angioplasty. Archives of Medical Science, 2017, 5, 1086-1093.	0.4	57
79	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
80	Relationship Between Quantitative Adverse Plaque Features From Coronary Computed Tomography Angiography and Downstream Impaired Myocardial Flow Reserve by ¹³ N-Ammonia Positron Emission Tomography. Circulation: Cardiovascular Imaging, 2015, 8, e003255.	1.3	55
81	CT angiography to evaluate coronary artery disease and revascularization requirement before trans-catheter aortic valve replacement. Journal of Cardiovascular Computed Tomography, 2017, 11, 338-346.	0.7	50
82	Short-term outcome of patients with ST-segment elevation myocardial infarction (STEMI) treated with an everolimus-eluting bioresorbable vascular scaffold. Clinical Research in Cardiology, 2014, 103, 141-148.	1.5	49
83	Epicardial adipose tissue volume but not density is an independent predictor for myocardial ischemia. Journal of Cardiovascular Computed Tomography, 2016, 10, 141-149.	0.7	49
84	Diagnostic Performance of Transluminal Attenuation Gradient and Noninvasive Fractional Flow Reserve Derived from 320-Row CT Angiography to Diagnose Hemodynamically Significant Coronary Stenosis: An NXT Substudy. Radiology, 2016, 279, 75-83.	3.6	48
85	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
86	Fractional flow reserve derived from coronary CT angiography: Variation of repeated analyses. Journal of Cardiovascular Computed Tomography, 2014, 8, 307-314.	0.7	45
87	CT-based analysis of pericoronary adipose tissue density: Relation to cardiovascular risk factors and epicardial adipose tissue volume. Journal of Cardiovascular Computed Tomography, 2016, 10, 52-60.	0.7	45
88	Strategies for radiation dose reduction in nuclear cardiology and cardiac computed tomography imaging: a report from the European Association of Cardiovascular Imaging (EACVI), the Cardiovascular Committee of European Association of Nuclear Medicine (EANM), and the European Society of Cardiovascular Radiology (ESCR). European Heart Journal, 2018, 39, 286-296.	1.0	44
89	Prognostic Significance of Nonobstructive Left Main Coronary Artery Disease in Women Versus Men. Circulation: Cardiovascular Imaging, 2017, 10, .	1.3	38
90	Evaluation of the non-invasive localization accuracy of cardiac arrhythmias attainable by multichannel magnetocardiography (MCG). International Journal of Cardiovascular Imaging, 1996, 12, 47-59.	0.2	37

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91	Machine learning integration of circulating and imaging biomarkers for explainable patient-specific prediction of cardiac events: A prospective study. <i>Atherosclerosis</i> , 2021, 318, 76-82.	0.4	37
92	Non-invasive prediction of hemodynamically significant coronary artery stenoses by contrast density difference in coronary CT angiography. <i>European Journal of Radiology</i> , 2015, 84, 1502-1508.	1.2	36
93	Relation between coronary calcium and 10-year risk scores in primary prevention patients. <i>American Journal of Cardiology</i> , 2003, 92, 1471-1475.	0.7	34
94	Current but not past smoking increases the risk of cardiac events: insights from coronary computed tomographic angiography. <i>European Heart Journal</i> , 2015, 36, 1031-1040.	1.0	34
95	CT Angiography for the Detection of Coronary Artery Stenoses in Patients Referred for Cardiac Valve Surgery. <i>JACC: Cardiovascular Imaging</i> , 2016, 9, 1059-1070.	2.3	34
96	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.	0.5	34
97	Diagnostic Performance of Angiogram-Derived Fractional Flow Reserve. <i>JACC: Cardiovascular Interventions</i> , 2020, 13, 488-497.	1.1	33
98	Coronary dominance and prognosis in patients undergoing coronary computed tomographic angiography: results from the CONFIRM (COronary CT Angiography Evaluation For Clinical Outcomes) Tj ETQq0 0 0 rgBT /Overlock 10 853-862.	0.5	32
99	Investigation of Wall Shear Stress in Cardiovascular Research and in Clinical Practice—From Bench to Bedside. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5635.	1.8	32
100	Predictive Value of Age- and Sex-Specific Nomograms of Global Plaque Burden on Coronary Computed Tomography Angiography for Major Cardiac Events. <i>Circulation: Cardiovascular Imaging</i> , 2017, 10, .	1.3	31
101	Comparison of invasively measured FFR with FFR derived from coronary CT angiography for detection of lesion-specific ischemia: Results from a PC-based prototype algorithm. <i>Journal of Cardiovascular Computed Tomography</i> , 2018, 12, 101-107.	0.7	31
102	Quantification of epicardial adipose tissue by cardiac CT: Influence of acquisition parameters and contrast enhancement. <i>European Journal of Radiology</i> , 2019, 121, 108732.	1.2	31
103	Medical History for Prognostic Risk Assessment and Diagnosis of Stable Patients with Suspected Coronary Artery Disease. <i>American Journal of Medicine</i> , 2015, 128, 871-878.	0.6	30
104	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.	0.5	30
105	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, 490-499.	0.5	29
106	Pericoronary adipose tissue and quantitative global non-calcified plaque characteristics from CT angiography do not differ in matched South Asian, East Asian and European-origin Caucasian patients with stable chest pain. <i>European Journal of Radiology</i> , 2020, 125, 108874.	1.2	29
107	Plaque Rupture, Compared With Plaque Erosion, Is Associated With a Higher Level of Pancoronary Inflammation. <i>JACC: Cardiovascular Imaging</i> , 2022, 15, 828-839.	2.3	29
108	Meta-Analysis of Bioprosthetic Valve Thrombosis After Transcatheter Aortic Valve Implantation. <i>American Journal of Cardiology</i> , 2021, 138, 92-99.	0.7	27

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109	Clinical applications of cardiac computed tomography: a consensus paper of the European Association of Cardiovascular Imagingâ€”part I. European Heart Journal Cardiovascular Imaging, 2022, 23, 299-314.	0.5	27
110	A Clinical Model to Identify Patients With High-Risk Coronary Artery Disease. JACC: Cardiovascular Imaging, 2015, 8, 427-434.	2.3	26
111	Prediction of fluoroscopic angulations for transcatheter aortic valve implantation by CT angiography: influence on procedural parameters. European Heart Journal Cardiovascular Imaging, 2017, 18, jew144.	0.5	26
112	Improving medical care and prevention in adults with congenital heart diseaseâ€”reflections on a global problemâ€”part I: development of congenital cardiology, epidemiology, clinical aspects, heart failure, cardiac arrhythmia. Cardiovascular Diagnosis and Therapy, 2018, 8, 705-715.	0.7	26
113	Relation of Frailty to Outcomes in Percutaneous Coronary Intervention. Cardiovascular Revascularization Medicine, 2020, 21, 811-818.	0.3	26
114	Standardized measurement of coronary inflammation using cardiovascular computed tomography: integration in clinical care as a prognostic medical device. Cardiovascular Research, 2021, 117, 2677-2690.	1.8	26
115	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
116	Noninvasive coronary angiography by contrast-enhanced electron beam computed tomography. Clinical Cardiology, 1998, 21, 323-330.	0.7	25
117	Coronary calcium scoring from contrast coronary CT angiography using a semiautomated standardized method. Journal of Cardiovascular Computed Tomography, 2015, 9, 446-453.	0.7	25
118	Comparative assessment of image quality for coronary CT angiography with iobitridol and two contrast agents with higher iodine concentrations: iopromide and iomeprol. A multicentre randomized double-blind trial. European Radiology, 2017, 27, 821-830.	2.3	24
119	Imaging of the Pericoronary Adipose Tissue (PCAT) Using Cardiac Computed Tomography. Journal of Thoracic Imaging, 2021, 36, 149-161.	0.8	24
120	Radiomics-Based Precision Phenotyping Identifies Unstable Coronary Plaques From Computed Tomography Angiography. JACC: Cardiovascular Imaging, 2022, 15, 859-871.	2.3	24
121	Multiple biomarker strategy for improved diagnosis of acute heart failure in older patients presenting to the emergency department. European Heart Journal: Acute Cardiovascular Care, 2015, 4, 137-147.	0.4	23
122	Relationship of epicardial fat volume from noncontrast CT with impaired myocardial flow reserve by positron emission tomography. Journal of Cardiovascular Computed Tomography, 2015, 9, 303-309.	0.7	23
123	Impact of age and sex on left ventricular function determined by coronary computed tomographic angiography: results from the prospective multicentre CONFIRM study. European Heart Journal Cardiovascular Imaging, 2017, 18, 990-1000.	0.5	23
124	Social media in cardiovascular medicine: a contemporary review. European Heart Journal Digital Health, 2020, 1, 10-19.	0.7	23
125	Pericoronary adipose tissue CT attenuation and its association with serum levels of atherosclerosis-relevant inflammatory mediators, coronary calcification and major adverse cardiac events. Journal of Cardiovascular Computed Tomography, 2021, 15, 449-454.	0.7	21
126	Clinical applications of cardiac computed tomography: a consensus paper of the European Association of Cardiovascular Imagingâ€”part II. European Heart Journal Cardiovascular Imaging, 2022, 23, e136-e161.	0.5	21

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127	Left atrial appendage closure in patients with chronic kidney disease: results from the German multicentre LAARGE registry. <i>Clinical Research in Cardiology</i> , 2021, 110, 12-20.	1.5	20
128	Influence of the coronary calcium score on the ability to rule out coronary artery stenoses by coronary CT angiography in patients with suspected coronary artery disease. <i>Journal of Cardiovascular Computed Tomography</i> , 2016, 10, 343-350.	0.7	19
129	Left atrial remodeling, early repolarization pattern, and inflammatory cytokines in professional soccer players. <i>Journal of Cardiology</i> , 2016, 68, 64-70.	0.8	19
130	Current trends in patients with chronic total occlusions undergoing coronary CT angiography. <i>Heart</i> , 2015, 101, 1212-1218.	1.2	18
131	Cardiac computed tomography core syllabus of the European Association of Cardiovascular Imaging (EACVI). <i>European Heart Journal Cardiovascular Imaging</i> , 2015, 16, 351-352.	0.5	18
132	Facts about the General Medical Care of Adults with Congenital Heart Defects: Experience of a Tertiary Care Center. <i>Journal of Clinical Medicine</i> , 2020, 9, 1943.	1.0	18
133	Impact of the learning curve on procedural results and acute outcome after percutaneous coronary interventions with everolimus-eluting bioresorbable scaffolds in an all-comers population. <i>Cardiovascular Revascularization Medicine</i> , 2015, 16, 455-460.	0.3	17
134	Epicardial Fat and Coronary Artery Calcification in Patients on Long-Term Hemodialysis. <i>Journal of Computer Assisted Tomography</i> , 2014, 38, 768-772.	0.5	16
135	High-Risk Plaque Features on Coronary CT Angiography. <i>JACC: Cardiovascular Imaging</i> , 2015, 8, 1336-1339.	2.3	16
136	Computer-aided evaluation of low-dose and low-contrast agent third-generation dual-source CT angiography prior to transcatheter aortic valve implantation (TAVI). <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2017, 12, 795-802.	1.7	16
137	Clinical magnetocardiography: Experience with a biomagnetic multichannel system. <i>International Journal of Cardiovascular Imaging</i> , 1991, 7, 217-223.	0.2	15
138	Tomographic coronary angiography by EBCT and MDCT. <i>Progress in Cardiovascular Diseases</i> , 2003, 46, 185-195.	1.6	15
139	Fractional flow reserve derived from coronary computed tomography angiography: diagnostic performance in hypertensive and diabetic patients. <i>European Heart Journal Cardiovascular Imaging</i> , 2017, 18, 1351-1360.	0.5	15
140	Everolimus-eluting bioresorbable scaffolds in patients with coronary artery disease: results from the German-Austrian ABSORB RegistRy (GABI-R). <i>EuroIntervention</i> , 2017, 13, 1311-1318.	1.4	15
141	Non-invasive imaging as the cornerstone of cardiovascular precision medicine. <i>European Heart Journal Cardiovascular Imaging</i> , 2022, 23, 465-475.	0.5	15
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