

Stephan Achenbach

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.

230
papers

18,204
citations

55
h-index

133
g-index

292
ext. papers

23,840
ext. citations

5.3
avg, IF

6.16
L-index

#	Paper	IF	Citations
230	2018 ESC/EACTS Guidelines on myocardial revascularization. <i>European Heart Journal</i> , 2019 , 40, 87-165	9.5	2408
229	2019 ESC Guidelines for the diagnosis and management of chronic coronary syndromes. <i>European Heart Journal</i> , 2020 , 41, 407-477	9.5	1835
228	Diagnostic performance of noninvasive fractional flow reserve derived from coronary computed tomography angiography in suspected coronary artery disease: the NXT trial (Analysis of Coronary Blood Flow Using CT Angiography: Next Steps). <i>Journal of the American College of Cardiology</i> , 2014 , 63, 1445-1455	15.1	871
227	Detection of calcified and noncalcified coronary atherosclerotic plaque by contrast-enhanced, submillimeter multidetector spiral computed tomography: a segment-based comparison with intravascular ultrasound. <i>Circulation</i> , 2004 , 109, 14-7	16.7	683
226	SCCT guidelines for the interpretation and reporting of coronary computed tomographic angiography. <i>Journal of Cardiovascular Computed Tomography</i> , 2009 , 3, 122-36	2.8	582
225	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> , 2011 , 58, 849-50	15.1	528
224	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, 342-58	2.8	498
223	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, 340-6	9.5	470
222	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, 1655-62	15.1	453
221	Coronary computed tomography angiography for early triage of patients with acute chest pain: the ROMICAT (Rule Out Myocardial Infarction using Computer Assisted Tomography) trial. <i>Journal of the American College of Cardiology</i> , 2009 , 53, 1642-50	15.1	441
220	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, 366-80	2.8	436
219	The CT-STAT (Coronary Computed Tomographic Angiography for Systematic Triage of Acute Chest Pain Patients to Treatment) trial. <i>Journal of the American College of Cardiology</i> , 2011 , 58, 1414-22	15.1	430
218	Noninvasive coronary angiography by retrospectively ECG-gated multislice spiral CT. <i>Circulation</i> , 2000 , 102, 2823-8	16.7	356
217	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, 842-7	15.1	335
216	Contrast-enhanced coronary artery visualization by dual-source computed tomography--initial experience. <i>European Journal of Radiology</i> , 2006 , 57, 331-5	4.7	331
215	CAD-RADS(TM) 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, 269-81	2.8	312
214	Progression of aortic valve calcification: association with coronary atherosclerosis and cardiovascular risk factors. <i>Circulation</i> , 2001 , 104, 1927-32	16.7	308

213	Detecting human coronary inflammation by imaging perivascular fat. <i>Science Translational Medicine</i> , 2017 , 9,	17.5	285
212	Influence of lipid-lowering therapy on the progression of coronary artery calcification: a prospective evaluation. <i>Circulation</i> , 2002 , 106, 1077-82	16.7	285
211	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
210	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, The</i> , 2018 , 392, 929-939	40	255
209	High-pitch spiral acquisition: a new scan mode for coronary CT angiography. <i>Journal of Cardiovascular Computed Tomography</i> , 2009 , 3, 117-21	2.8	208
208	Coronary plaque quantification and fractional flow reserve by coronary computed tomography angiography identify ischaemia-causing lesions. <i>European Heart Journal</i> , 2016 , 37, 1220-7	9.5	184
207	Image quality and radiation exposure with a low tube voltage protocol for coronary CT angiography results of the PROTECTION II Trial. <i>JACC: Cardiovascular Imaging</i> , 2010 , 3, 1113-23	8.4	179
206	Computed tomography coronary angiography. <i>Journal of the American College of Cardiology</i> , 2006 , 48, 1919-28	15.1	168
205	Detection of coronary artery stenoses using multi-detector CT with 16 x 0.75 collimation and 375 ms rotation. <i>European Heart Journal</i> , 2005 , 26, 1978-86	9.5	150
204	Noninvasive Fractional Flow Reserve Derived From Coronary CT Angiography: Clinical Data and Scientific Principles. <i>JACC: Cardiovascular Imaging</i> , 2015 , 8, 1209-1222	8.4	144
203	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>JACC: Cardiovascular Imaging</i> , 2019 , 12, 1-24	8.4	137
202	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	9.5	127
201	Detection of coronary artery stenoses by low-dose, prospectively ECG-triggered, high-pitch spiral coronary CT angiography. <i>JACC: Cardiovascular Imaging</i> , 2011 , 4, 328-37	8.4	127
200	Contemporary practice and technical aspects in coronary intervention with bioresorbable scaffolds: a European perspective. <i>EuroIntervention</i> , 2015 , 11, 45-52	3.1	111
199	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	2.8	110
198	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	4.6	108
197	Influence of Coronary Calcification on the Diagnostic Performance of CT Angiography Derived FFR in Coronary Artery Disease: A Substudy of the NXT Trial. <i>JACC: Cardiovascular Imaging</i> , 2015 , 8, 1045-1055	8.4	102
196	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, 881-9	9.4	101

195	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, 177-86	8.4	100
194	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, 858-863	16.2	98
193	Transradial versus transfemoral approach for coronary angiography and intervention in patients above 75 years of age. <i>Catheterization and Cardiovascular Interventions</i> , 2008 , 72, 629-35	2.7	95
192	Coronary computed tomographic prediction rule for time-efficient guidewire crossing through chronic total occlusion: insights from the CT-RECTOR multicenter registry (Computed Tomography Registry of Chronic Total Occlusion Revascularization). <i>JACC: Cardiovascular Interventions</i> , 2015 , 8, 257-267	5	88
191	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, 501-8	9.5	87
190	Accuracy of Fractional Flow Reserve Derived From Coronary Angiography. <i>Circulation</i> , 2019 , 139, 477-484	6.7	86
189	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	8	85
188	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, 119-28	10.1	85
187	Imaging of coronary atherosclerosis by computed tomography. <i>European Heart Journal</i> , 2010 , 31, 1442-8	9.5	84
186	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	2.8	84
185	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
184	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, 418-25	2.8	69
183	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, 110-5	2.8	69
182	Sex-Specific Associations Between Coronary Artery Plaque Extent and Risk of Major Adverse Cardiovascular Events: The CONFIRM Long-Term Registry. <i>JACC: Cardiovascular Imaging</i> , 2016 , 9, 364-372	8.4	66
181	Cardiac CT: state of the art for the detection of coronary arterial stenosis. <i>Journal of Cardiovascular Computed Tomography</i> , 2007 , 1, 3-20	2.8	65
180	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	4.1	64
179	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, 961-71	4.1	62
178	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	4.1	57

177	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
176	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	2.8	56
175	Lesion-Specific and Vessel-Related Determinants of Fractional Flow Reserve Beyond Coronary Artery Stenosis. <i>JACC: Cardiovascular Imaging</i> , 2018 , 11, 521-530	8.4	55
174	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, 408-15	20.5	52
173	CT Angiography for Revascularization of CTO: Crossing the Borders of Diagnosis and Treatment. <i>JACC: Cardiovascular Imaging</i> , 2015 , 8, 846-58	8.4	52
172	CAD-RADS 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 and the American College of Physicians. <i>Journal of Cardiovascular Computed Tomography</i> , 2016 , 10, 1158-1166	3.5	52
171	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, 368-74	2.8	52
170	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
169	The Coronary Artery Disease-Reporting and Data System (CAD-RADS): Prognostic and Clinical Implications Associated With Standardized Coronary Computed Tomography Angiography Reporting. <i>JACC: Cardiovascular Imaging</i> , 2018 , 11, 78-89	8.4	48
168	Rationale and design of the HeartFlowNXT (HeartFlow analysis of coronary blood flow using CT angiography: NeXt sTeps) study. <i>Journal of Cardiovascular Computed Tomography</i> , 2013 , 7, 279-88	2.8	47
167	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	3	46
166	Short-term outcome of patients with ST-segment elevation myocardial infarction (STEMI) treated with an everolimus-eluting bioresorbable vascular scaffold. <i>Clinical Research in Cardiology</i> , 2014 , 103, 141-8	6.1	46
165	Quantification of epicardial fat by computed tomography: why, when and how?. <i>Journal of Cardiovascular Computed Tomography</i> , 2013 , 7, 3-10	2.8	46
164	FFR Derived From Coronary CT Angiography in Nonculprit Lesions of Patients With Recent STEMI. <i>JACC: Cardiovascular Imaging</i> , 2017 , 10, 424-433	8.4	44
163	Diagnostic Performance of Transluminal Attenuation Gradient and Noninvasive Fractional Flow Reserve Derived from 320-Detector Row CT Angiography to Diagnose Hemodynamically Significant Coronary Stenosis: An NXT Substudy. <i>Radiology</i> , 2016 , 279, 75-83	20.5	43
162	Management of therapeutic anticoagulation in patients with intracerebral haemorrhage and mechanical heart valves. <i>European Heart Journal</i> , 2018 , 39, 1709-1723	9.5	43
161	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
160	Prognostic Value and Risk Continuum of Noninvasive Fractional Flow Reserve Derived from Coronary CT Angiography. <i>Radiology</i> , 2019 , 292, 343-351	20.5	41

159	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
158	Superior Risk Stratification With Coronary Computed Tomography Angiography Using a Comprehensive Atherosclerotic Risk Score. <i>JACC: Cardiovascular Imaging</i> , 2019 , 12, 1987-1997	8.4	41
157	Fractional flow reserve derived from coronary CT angiography: variation of repeated analyses. <i>Journal of Cardiovascular Computed Tomography</i> , 2014 , 8, 307-14	2.8	39
156	C-reactive protein levels predict systolic heart failure and outcome in patients with first ST-elevation myocardial infarction treated with coronary angioplasty. <i>Archives of Medical Science</i> , 2017 , 13, 1086-1093	2.9	38
155	CT angiography to evaluate coronary artery disease and revascularization requirement before trans-catheter aortic valve replacement. <i>Journal of Cardiovascular Computed Tomography</i> , 2017 , 11, 338-346	2.8	37
154	Relationship Between Quantitative Adverse Plaque Features From Coronary Computed Tomography Angiography and Downstream Impaired Myocardial Flow Reserve by ¹³ N-Ammonia Positron Emission Tomography: A Pilot Study. <i>Circulation: Cardiovascular Imaging</i> , 2015 , 8, e003255	3.9	37
153	Deep Learning-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	3.9	35
152	Epicardial adipose tissue volume but not density is an independent predictor for myocardial ischemia. <i>Journal of Cardiovascular Computed Tomography</i> , 2016 , 10, 141-9	2.8	35
151	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
150	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
149	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	9.9	31
148	CT-based analysis of pericoronary adipose tissue density: Relation to cardiovascular risk factors and epicardial adipose tissue volume. <i>Journal of Cardiovascular Computed Tomography</i> , 2016 , 10, 52-60	2.8	29
147	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	4.7	28
146	Evaluation of the non-invasive localization accuracy of cardiac arrhythmias attainable by multichannel magnetocardiography (MCG). <i>International Journal of Cardiovascular Imaging</i> , 1996 , 12, 47-59		28
145	Relation between coronary calcium and 10-year risk scores in primary prevention patients. <i>American Journal of Cardiology</i> , 2003 , 92, 1471-5	3	27
144	CT Angiography for the Detection of Coronary Artery Stenoses in Patients Referred for Cardiac Valve Surgery: Systematic Review and Meta-Analysis. <i>JACC: Cardiovascular Imaging</i> , 2016 , 9, 1059-1070	8.4	26
143	Imaging in ESC clinical guidelines: chronic coronary syndromes. <i>European Heart Journal Cardiovascular Imaging</i> , 2019 , 20, 1187-1197	4.1	26
142	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). <i>European Heart Journal</i> , 2019 , 40, 286-296	9.5	25

141	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
140	Noninvasive coronary angiography by contrast-enhanced electron beam computed tomography. <i>Clinical Cardiology</i> , 1998 , 21, 323-30	3.3	22
139	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	2.8	21
138	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
137	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
136	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
135	Perivascular Fat Attenuation Index Stratifies Cardiac Risk Associated With High-Risk Plaques in the CRISP-CT Study. <i>Journal of the American College of Cardiology</i> , 2020 , 76, 755-757	15.1	21
134	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
133	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
132	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. <i>European Radiology</i> , 2017 , 27, 821-830	8	20
131	Prediction of fluoroscopic angulations for transcatheter aortic valve implantation by CT angiography: influence on procedural parameters. <i>European Heart Journal Cardiovascular Imaging</i> , 2017 , 18, 906-914	4.1	20
130	Prognostic Significance of Nonobstructive Left Main Coronary Artery Disease in Women Versus Men: Long-Term Outcomes From the CONFIRM (Coronary CT Angiography Evaluation For Clinical Outcomes: An International Multicenter) Registry. <i>Circulation: Cardiovascular Imaging</i> , 2017 , 10,	3.9	19
129	Improving medical care and prevention in adults with congenital heart disease-reflections on a global problem-part I: development of congenital cardiology, epidemiology, clinical aspects, heart failure, cardiac arrhythmia. <i>Cardiovascular Diagnosis and Therapy</i> , 2018 , 8, 705-715	2.6	19
128	Multiple biomarker strategy for improved diagnosis of acute heart failure in older patients presenting to the emergency department. <i>European Heart Journal: Acute Cardiovascular Care</i> , 2015 , 4, 137-47	4.3	18
127	Coronary calcium scoring from contrast coronary CT angiography using a semiautomated standardized method. <i>Journal of Cardiovascular Computed Tomography</i> , 2015 , 9, 446-53	2.8	18
126	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, 853-62	4.1	18
125	Relationship of epicardial fat volume from noncontrast CT with impaired myocardial flow reserve by positron emission tomography. <i>Journal of Cardiovascular Computed Tomography</i> , 2015 , 9, 303-9	2.8	18
124	A clinical model to identify patients with high-risk coronary artery disease. <i>JACC: Cardiovascular Imaging</i> , 2015 , 8, 427-434	8.4	15

123	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,	3.9	14
122	Current trends in patients with chronic total occlusions undergoing coronary CT angiography. <i>Heart</i> , 2015 , 101, 1212-8	5.1	13
121	Aortic annulus eccentricity before and after transcatheter aortic valve implantation: Comparison of balloon-expandable and self-expanding prostheses. <i>European Journal of Radiology</i> , 2015 , 84, 1242-8	4.7	13
120	Cardiac computed tomography core syllabus of the European Association of Cardiovascular Imaging (EACVI). <i>European Heart Journal Cardiovascular Imaging</i> , 2015 , 16, 351-2	4.1	13
119	Impact of age and sex on left ventricular function determined by coronary computed tomographic angiography: results from the prospective multicentre CONFIRM study. <i>European Heart Journal Cardiovascular Imaging</i> , 2017 , 18, 990-1000	4.1	13
118	Tomographic coronary angiography by EBCT and MDCT. <i>Progress in Cardiovascular Diseases</i> , 2003 , 46, 185-95	8.5	13
117	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	3.1	13
116	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, 343-50	2.8	13
115	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	3.1	13
114	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	4.7	12
113	Left atrial remodeling, early repolarization pattern, and inflammatory cytokines in professional soccer players. <i>Journal of Cardiology</i> , 2016 , 68, 64-70	3	12
112	Epicardial fat and coronary artery calcification in patients on long-term hemodialysis. <i>Journal of Computer Assisted Tomography</i> , 2014 , 38, 768-72	2.2	12
111	High-Risk Plaque Features on Coronary CT Angiography. <i>JACC: Cardiovascular Imaging</i> , 2015 , 8, 1336-9	8.4	12
110	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, 455-60	1.6	12
109	Clinical magnetocardiography: experience with a biomagnetic multichannel system. <i>International Journal of Cardiovascular Imaging</i> , 1991 , 7, 217-23		12
108	Comparison of standard- and high-dose intracoronary adenosine for the measurement of coronary fractional flow reserve (FFR). <i>Clinical Research in Cardiology</i> , 2016 , 105, 1003-1010	6.1	12
107	Contrast medium application in pediatric high-pitch cardiovascular CT angiography: manual or power injection?. <i>Journal of Cardiovascular Computed Tomography</i> , 2014 , 8, 315-22	2.8	11
106	CV imaging: what was new in 2012?. <i>JACC: Cardiovascular Imaging</i> , 2013 , 6, 714-34	8.4	11

105	Multicenter Evaluation Of Coronary Dual-Source CT angiography in patients with intermediate Risk of Coronary Artery Stenoses (MEDIC): study design and rationale. <i>Journal of Cardiovascular Computed Tomography</i> , 2014 , 8, 183-8	2.8	11
104	Relation of Frailty to Outcomes in Percutaneous Coronary Intervention. <i>Cardiovascular Revascularization Medicine</i> , 2020 , 21, 811-818	1.6	11
103	Quantification of epicardial adipose tissue by cardiac CT: Influence of acquisition parameters and contrast enhancement. <i>European Journal of Radiology</i> , 2019 , 121, 108732	4.7	11
102	The Year in Cardiology 2018: imaging. <i>European Heart Journal</i> , 2019 , 40, 508-517	9.5	11
101	Coronary revascularization vs. medical therapy following coronary-computed tomographic angiography in patients with low-, intermediate- and high-risk coronary artery disease: results from the CONFIRM long-term registry. <i>European Heart Journal Cardiovascular Imaging</i> , 2017 , 18, 841-848	4.1	10
100	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	4.1	10
99	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,	5.1	10
98	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	3.9	10
97	Social media in cardiovascular medicine: a contemporary review. <i>European Heart Journal Digital Health</i> , 2020 , 1, 10-19	2.3	10
96	White Matter Lesions, Carotid and Coronary Atherosclerosis in Late-Onset Depression and Healthy Controls. <i>Psychosomatics</i> , 2016 , 57, 369-77	2.6	10
95	Meta-Analysis of Bioprosthetic Valve Thrombosis After Transcatheter Aortic Valve Implantation. <i>American Journal of Cardiology</i> , 2021 , 138, 92-99	3	10
94	Diagnostic Performance of Angiogram-Derived Fractional Flow Reserve: A Pooled Analysis of 5 Prospective Cohort Studies. <i>JACC: Cardiovascular Interventions</i> , 2020 , 13, 488-497	5	9
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