

Stephan Achenbach

List of Publications by Year in Descending Order

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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	Radiomics-Based Precision Phenotyping Identifies Unstable Coronary Plaques From Computed Tomography Angiography.. <i>JACC: Cardiovascular Imaging</i> , 2022 , 15, 859-871	8.4	2
229	Clinical applications of cardiac computed tomography: a consensus paper of the European Association of Cardiovascular Imaging-part I.. <i>European Heart Journal Cardiovascular Imaging</i> , 2022 ,	4.1	3
228	Clinical applications of cardiac computed tomography: a consensus paper of the European Association of Cardiovascular Imaging-part II.. <i>European Heart Journal Cardiovascular Imaging</i> , 2022 ,	4.1	4
227	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	14.4	3
226	Aspirin and Statin Therapy for Nonobstructive Coronary Artery Disease: Five-year Outcomes from the CONFIRM Registry.. <i>Radiology: Cardiothoracic Imaging</i> , 2022 , 4, e210225	8.3	1
225	Determination of optimal fluoroscopic angulations for aorto-coronary ostial interventions from coronary computed tomography angiography. <i>Journal of Cardiovascular Computed Tomography</i> , 2021 , 15, 366-371	2.8	1
224	The European Society of Cardiology - A Digital Educator.. <i>Journal of European CME</i> , 2021 , 10, 2014039	0.6	2
223	Clinical presentation does not affect acute mechanical performance of the Novolimus-eluting bioresorbable vascular scaffold as assessed by optical coherence tomography. <i>Postępy W Kardiologii Interwencyjnej</i> , 2021 , 17, 272-280	0.4	
222	Imaging of the Pericoronary Adipose Tissue (PCAT) Using Cardiac Computed Tomography: Modern Clinical Implications. <i>Journal of Thoracic Imaging</i> , 2021 , 36, 149-161	5.6	3
221	Systematic assessment of health care perception in adults with congenital heart disease in Germany. <i>Cardiovascular Diagnosis and Therapy</i> , 2021 , 11, 481-491	2.6	5
220	Ethnic differences in coronary anatomy, left ventricular mass and CT-derived fractional flow reserve. <i>Journal of Cardiovascular Computed Tomography</i> , 2021 , 15, 249-257	2.8	0
219	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,	6.3	9
218	Everolimus eluting bioresorbable vascular scaffolds in patients with acute coronary syndromes: Two-year results from the German-Austrian ABSORB registry. <i>Catheterization and Cardiovascular Interventions</i> , 2021 , 98, E564-E570	2.7	
217	Predictors of scaffold failure and impact of optimized scaffold implantation technique on outcome: Results from the German-Austrian ABSORB Registry. <i>Catheterization and Cardiovascular Interventions</i> , 2021 , 98, E555-E563	2.7	
216	Well-being paradox revisited: a cross-sectional study of quality of life in over 4000 adults with congenital heart disease. <i>BMJ Open</i> , 2021 , 11, e049531	3	1
215	The Tobacco Endgame: Eradicating a Worsening Epidemic A Joint Opinion From the American Heart Association, World Heart Federation, American College of Cardiology, and the European Society of Cardiology. <i>Journal of the American College of Cardiology</i> , 2021 , 78, 77-81	15.1	1
214	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	6.1	8

213	Five-year follow-up of patients who underwent everolimus-eluting bioresorbable scaffold implantation. <i>Catheterization and Cardiovascular Interventions</i> , 2021 , 97, 56-62	2.7	
212	Meta-Analysis of Bioprosthetic Valve Thrombosis After Transcatheter Aortic Valve Implantation. <i>American Journal of Cardiology</i> , 2021 , 138, 92-99	3	10
211	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
210	Dual-axis rotational coronary angiography versus conventional coronary angiography: a randomized comparison. <i>Clinical Research in Cardiology</i> , 2021 , 110, 258-269	6.1	
209	State-of-the-Art Review: Anatomical and Imaging Considerations During Transcatheter Tricuspid Valve Repair Using an Annuloplasty Approach. <i>Frontiers in Cardiovascular Medicine</i> , 2021 , 8, 619605	5.4	2
208	Renal and intraglomerular haemodynamics in chronic heart failure with preserved and reduced ejection fraction. <i>ESC Heart Failure</i> , 2021 , 8, 1562-1570	3.7	1
207	Clinician Well-Being-addressing global needs for improvements in the health care field: a joint opinion from the American College of Cardiology, American Heart Association, European Society of Cardiology, World Heart Federation. <i>European Heart Journal</i> , 2021 , 42, 3122-3126	9.5	1
206	Standardized measurement of coronary inflammation using cardiovascular computed tomography: integration in clinical care as a prognostic medical device. <i>Cardiovascular Research</i> , 2021 , 117, 2677-2690 ^{9.9}		4
205	Clinician Well-Being: Addressing Global Needs for Improvements in the Health Care Field A Joint Opinion From the American College of Cardiology, American Heart Association, European Society of Cardiology, and the World Heart Federation. <i>Journal of the American College of Cardiology</i> , 2021 , 78, 752-756	15.1	0
204	Pericoronary adipose tissue CT attenuation and its association with serum levels of atherosclerosis-relevant inflammatory mediators, coronary calcification and major adverse cardiac events. <i>Journal of Cardiovascular Computed Tomography</i> , 2021 , 15, 449-454	2.8	1
203	Influence of Heart Rate on Image Quality and Radiation Dose Exposure in Coronary CT Angiography. <i>Radiology</i> , 2021 , 300, 701-703	20.5	0
202	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
201	A global registry of fractional flow reserve (FFR)-guided management during routine care: Study design, baseline characteristics and outcomes of invasive management. <i>Catheterization and Cardiovascular Interventions</i> , 2020 , 96, E423-E431	2.7	2
200	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
199	After ISCHEMIA: Is coronary CTA the new gatekeeper?. <i>Herz</i> , 2020 , 45, 441-445	2.6	4
198	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
197	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
196	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

195	The ISCHEMIA Trial: Implication for Cardiac Imaging in 2020 and Beyond. <i>Radiology: Cardiothoracic Imaging</i> , 2020 , 2, e200021	8.3	1
194	Bioresorbable vascular scaffold versus metallic drug-eluting stent in patients at high risk of restenosis: the COMPARE-ABSORB randomised clinical trial. <i>EuroIntervention</i> , 2020 , 16, 645-653	3.1	7
193	Magnetic resonance phase contrast velocity mapping for flow quantification in irregular heart rhythms using radial k-space ultrashort echo time imaging. <i>International Journal of Cardiology</i> , 2020 , 317, 211-215	3.2	0
192	Social media in cardiovascular medicine: a contemporary review. <i>European Heart Journal Digital Health</i> , 2020 , 1, 10-19	2.3	10
191	Epicardial fat, cardiovascular risk factors and calcifications in patients with chronic kidney disease. <i>CKJ: Clinical Kidney Journal</i> , 2020 , 13, 571-579	4.5	5
190	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
189	Relation of Frailty to Outcomes in Percutaneous Coronary Intervention. <i>Cardiovascular Revascularization Medicine</i> , 2020 , 21, 811-818	1.6	11
188	Impact of coronary calcification on outcomes after ABSORB scaffold implantation: insights from the GABI-R registry. <i>Coronary Artery Disease</i> , 2020 , 31, 578-585	1.4	0
187	Comparison in Patients 75 Years on One-year-Events With Atrial Fibrillation and Left Atrial Appendage Occluder (From the Prospective Multicenter German LAARGE Registry). <i>American Journal of Cardiology</i> , 2020 , 136, 81-86	3	4
186	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
185	Rationale and design of the MULTISTARS AMI Trial: A randomized comparison of immediate versus staged complete revascularization in patients with ST-segment elevation myocardial infarction and multivessel disease. <i>American Heart Journal</i> , 2020 , 228, 98-108	4.9	4
184	Prognostic significance of subtle coronary calcification in patients with zero coronary artery calcium score: From the CONFIRM registry. <i>Atherosclerosis</i> , 2020 , 309, 33-38	3.1	4
183	Leaders in Cardiovascular Research: Stephan Achenbach. <i>Cardiovascular Research</i> , 2020 , 116, e143-e145	9.9	
182	Comparison between treatment of "established" versus complex "off-label" coronary lesions with Absorb bioresorbable scaffold implantation: results from the GABI-R registry. <i>Clinical Research in Cardiology</i> , 2020 , 109, 374-384	6.1	0
181	2019 ESC Guidelines for the diagnosis and management of chronic coronary syndromes. <i>European Heart Journal</i> , 2020 , 41, 407-477	9.5	1835
180	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
179	Point of Care Clinical Risk Score to Improve the Negative Diagnostic Utility of an Agatston Score of Zero: Averting the Need for Coronary Computed Tomography Angiography. <i>Circulation: Cardiovascular Imaging</i> , 2019 , 12, e008737	3.9	2
178	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

177	Incidental Finding of Strut Malapposition Is a Predictor of Late and Very Late Thrombosis in Coronary Bioresorbable Scaffolds. <i>Journal of Clinical Medicine</i> , 2019 , 8,	5.1	7
176	CT support of cardiac structural interventions. <i>British Journal of Radiology</i> , 2019 , 92, 20180707	3.4	5
175	OCT-assessment of scaffold resorption: Analysis of strut intensity by a new resorption index for poly-L-lactic acid bioresorbable vascular scaffolds. <i>Catheterization and Cardiovascular Interventions</i> , 2019 , 94, 928-935	2.7	
174	Prognostic value of chronic total occlusions detected on coronary computed tomographic angiography. <i>Heart</i> , 2019 , 105, 196-203	5.1	7
173	2018 ESC/EACTS Guidelines on myocardial revascularization. <i>European Heart Journal</i> , 2019 , 40, 87-165	9.5	2408
172	Comparison of Coronary Atherosclerotic Plaque Burden and Composition as Assessed on Coronary Computed Tomography Angiography in East Asian and European-Origin Caucasians. <i>American Journal of Cardiology</i> , 2019 , 124, 1012-1019	3	8
171	Imaging in ESC clinical guidelines: chronic coronary syndromes. <i>European Heart Journal Cardiovascular Imaging</i> , 2019 , 20, 1187-1197	4.1	26
170	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
169	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
168	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
167	Effect of Plaque Composition, Morphology, and Burden on DESolve Novolimus-Eluting Bioresorbable Vascular Scaffold Expansion and Eccentricity - An Optical Coherence Tomography Analysis. <i>Cardiovascular Revascularization Medicine</i> , 2019 , 20, 480-484	1.6	4
166	Effect of non-compliant balloon postdilatation on magnesium-based bioresorbable vascular scaffolds. <i>Catheterization and Cardiovascular Interventions</i> , 2019 , 93, 202-207	2.7	3
165	The Year in Cardiology 2018: imaging. <i>European Heart Journal</i> , 2019 , 40, 508-517	9.5	11
164	Coronary computed tomography angiography (CCTA) in patients with suspected stable coronary artery disease (CAD): diagnostic impact and clinical consequences in the German Cardiac CT Registry depending on stress test results. <i>International Journal of Cardiovascular Imaging</i> , 2019 , 35, 741-748	2.5	3
163	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
162	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
161	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
160	Accuracy of Fractional Flow Reserve Derived From Coronary Angiography. <i>Circulation</i> , 2019 , 139, 477-484	6.7	86

159	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
158	Influence of symptom typicality for predicting MACE in patients without obstructive coronary artery disease: From the CONFIRM Registry (Coronary Computed Tomography Angiography Evaluation for Clinical Outcomes: An International Multicenter Registry). <i>Clinical Cardiology</i> , 2018 , 41, 586-593	3.3	8
157	Percutaneous coronary intervention of unprotected left main stenoses - Procedural data and outcome depending on SYNTAX I Score. <i>Cardiovascular Revascularization Medicine</i> , 2018 , 19, 740-743	1.6	1
156	Predictors of early scaffold thrombosis: results from the multicenter prospective German-Austrian ABSORB RegIstRy. <i>Coronary Artery Disease</i> , 2018 , 29, 389-396	1.4	5
155	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
154	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
153	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
152	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
151	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
150	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
149	The year in cardiology 2017: imaging. <i>European Heart Journal</i> , 2018 , 39, 275-285	9.5	5
148	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
147	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	4.0	255
146	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
145	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
144	Improving medical care and prevention in adults with congenital heart disease-reflections on a global problem-part II: infective endocarditis, pulmonary hypertension, pulmonary arterial hypertension and aortopathy. <i>Cardiovascular Diagnosis and Therapy</i> , 2018 , 8, 716-724	2.6	6
143	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> , 2018 , 39, 286-296	9.5	25
142	Coronary calcium: Good news for men, but even worse news for women?. <i>European Heart Journal</i> , 2018 , 39, 3736-3738	9.5	1

141	Targeted Temperature Management: Peltier® Element-Based Focal Brain Cooling Protects Penumbra Neurons from Progressive Damage in Experimental Cerebral Ischemia. <i>Therapeutic Hypothermia and Temperature Management</i> , 2018 , 8, 225-233	1.3	6
140	Prognostic value of age adjusted segment involvement score as measured by coronary computed tomography: a potential marker of vascular age. <i>Heart and Vessels</i> , 2018 , 33, 1288-1300	2.1	4
139	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
138	Assessment of edema using STIR+ via 3D cardiovascular magnetic resonance imaging in patients with suspected myocarditis. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2017 , 30, 309-316	2.8	4
137	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
136	Impact of strut thickness on acute mechanical performance: A comparison study using optical coherence tomography between DESolve 150 and DESolve 100. <i>International Journal of Cardiology</i> , 2017 , 246, 74-79	3.2	6
135	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
134	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
133	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
132	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
131	Prognostic implications of coronary artery calcium in the absence of coronary artery luminal narrowing. <i>Atherosclerosis</i> , 2017 , 262, 185-190	3.1	7
130	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
129	Coronary CT angiography-future directions. <i>Cardiovascular Diagnosis and Therapy</i> , 2017 , 7, 432-438	2.6	8
128	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
127	Detecting human coronary inflammation by imaging perivascular fat. <i>Science Translational Medicine</i> , 2017 , 9,	17.5	285
126	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
125	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
124	Optical coherence tomography: influence of contrast concentration on image quality and diagnostic confidence. <i>Heart and Vessels</i> , 2017 , 32, 653-659	2.1	2

123	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
122	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
121	Multimodality imaging: Bird's eye view from The European Society of Cardiology Congress 2016 : Rome, August 27-31, 2016. <i>Journal of Nuclear Cardiology</i> , 2017 , 24, 180-187	2.1	
120	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
119	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
118	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
117	Applicability and procedural success rate of bioresorbable -vascular scaffolds for percutaneous coronary intervention in an all-comer cohort of 383 consecutive patients. <i>Acta Cardiologica</i> , 2017 , 72, 425-432	0.9	
116	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
115	An interview with Professor Stephan Achenbach, Chairman ESC Congress Programme Committee 2016-2018. <i>EuroIntervention</i> , 2017 , 13, 631-632	3.1	0
114	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
113	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
112	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
111	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
110	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, 269-311	2.8	312
109	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
108	A new novolimus-eluting bioresorbable scaffold for large coronary arteries: an OCT study of acute mechanical performance. <i>International Journal of Cardiology</i> , 2016 , 220, 706-10	3.2	7
107	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. <i>Journal of the American College of Radiology</i> , 2016 , 13, 1458-1466.e9	3.5	52
106	Left atrial remodeling, early repolarization pattern, and inflammatory cytokines in professional soccer players. <i>Journal of Cardiology</i> , 2016 , 68, 64-70	3	12

105	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
104	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
103	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
102	White Matter Lesions, Carotid and Coronary Atherosclerosis in Late-Onset Depression and Healthy Controls. <i>Psychosomatics</i> , 2016 , 57, 369-77	2.6	10
101	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
100	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
99	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
98	Angiographic Findings and Revascularization Success in Patients With Acute Myocardial Infarction and Previous Coronary Bypass Grafting. <i>American Journal of Cardiology</i> , 2016 , 118, 473-6	3	9
97	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
96	Current trends in patients with chronic total occlusions undergoing coronary CT angiography. <i>Heart</i> , 2015 , 101, 1212-8	5.1	13
95	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
94	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
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