

PI Maurovich Horvat

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.

202
papers

6,280
citations

33
h-index

76
g-index

240
ext. papers

7,945
ext. citations

4.9
avg, IF

5.52
L-index

#	Paper	IF	Citations
202	Abdominal visceral and subcutaneous adipose tissue compartments: association with metabolic risk factors in the Framingham Heart Study. <i>Circulation</i> , 2007 , 116, 39-48	16.7	1902
201	Visceral and subcutaneous adipose tissue volumes are cross-sectionally related to markers of inflammation and oxidative stress: the Framingham Heart Study. <i>Circulation</i> , 2007 , 116, 1234-41	16.7	665
200	Comprehensive plaque assessment by coronary CT angiography. <i>Nature Reviews Cardiology</i> , 2014 , 11, 390-402	14.8	222
199	Comparison of anthropometric, area- and volume-based assessment of abdominal subcutaneous and visceral adipose tissue volumes using multi-detector computed tomography. <i>International Journal of Obesity</i> , 2007 , 31, 500-6	5.5	221
198	The napkin-ring sign: CT signature of high-risk coronary plaques?. <i>JACC: Cardiovascular Imaging</i> , 2010 , 3, 440-4	8.4	159
197	COVID-19 pandemic and cardiac imaging: EACVI recommendations on precautions, indications, prioritization, and protection for patients and healthcare personnel. <i>European Heart Journal Cardiovascular Imaging</i> , 2020 , 21, 592-598	4.1	158
196	The napkin-ring sign indicates advanced atherosclerotic lesions in coronary CT angiography. <i>JACC: Cardiovascular Imaging</i> , 2012 , 5, 1243-52	8.4	151
195	Prediction model to estimate presence of coronary artery disease: retrospective pooled analysis of existing cohorts. <i>BMJ, The</i> , 2012 , 344, e3485	5.9	148
194	Coronary artery plaques: cardiac CT with model-based and adaptive-statistical iterative reconstruction technique. <i>European Journal of Radiology</i> , 2012 , 81, e363-9	4.7	106
193	Radiomic Features Are Superior to Conventional Quantitative Computed Tomographic Metrics to Identify Coronary Plaques With Napkin-Ring Sign. <i>Circulation: Cardiovascular Imaging</i> , 2017 , 10,	3.9	102
192	Cardiac Computed Tomography Radiomics: A Comprehensive Review on Radiomic Techniques. <i>Journal of Thoracic Imaging</i> , 2018 , 33, 26-34	5.6	91
191	Quantitative parameters of image quality in 64-slice computed tomography angiography of the coronary arteries. <i>European Journal of Radiology</i> , 2006 , 57, 373-9	4.7	91
190	Reduction in radiation exposure in cardiovascular computed tomography imaging: results from the PROspective multicenter registry on radiaTion dose Estimates of cardiac CT angIOgraphy iN daily practice in 2017 (PROTECTION VI). <i>European Heart Journal</i> , 2018 , 39, 3715-3723	9.5	77
189	Clinical importance of epicardial adipose tissue. <i>Archives of Medical Science</i> , 2017 , 13, 864-874	2.9	64
188	A computed tomography-based coronary lesion score to predict acute coronary syndrome among patients with acute chest pain and significant coronary stenosis on coronary computed tomographic angiogram. <i>American Journal of Cardiology</i> , 2012 , 110, 183-9	3	60
187	Identification of invasive and radionuclide imaging markers of coronary plaque vulnerability using radiomic analysis of coronary computed tomography angiography. <i>European Heart Journal Cardiovascular Imaging</i> , 2019 , 20, 1250-1258	4.1	57
186	Fiber architecture in remodeled myocardium revealed with a quantitative diffusion CMR tractography framework and histological validation. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2012 , 14, 70	6.9	55

185	Anatomical and Functional Computed Tomography for Diagnosing Hemodynamically Significant Coronary Artery Disease: A Meta-Analysis. <i>JACC: Cardiovascular Imaging</i> , 2019 , 12, 1316-1325	8.4	55
184	International Impact of COVID-19 on the Diagnosis of Heart Disease. <i>Journal of the American College of Cardiology</i> , 2021 , 77, 173-185	15.1	55
183	Plaque imaging with CT-a comprehensive review on coronary CT angiography based risk assessment. <i>Cardiovascular Diagnosis and Therapy</i> , 2017 , 7, 489-506	2.6	51
182	Histopathological correlates of the napkin-ring sign plaque in coronary CT angiography. <i>Atherosclerosis</i> , 2012 , 224, 90-6	3.1	50
181	Histogram analysis of lipid-core plaques in coronary computed tomographic angiography: ex vivo validation against histology. <i>Investigative Radiology</i> , 2013 , 48, 646-53	10.1	50
180	Reproducibility, accuracy, and predictors of accuracy for the detection of coronary atherosclerotic plaque composition by computed tomography: an ex vivo comparison to intravascular ultrasound. <i>Investigative Radiology</i> , 2010 , 45, 693-701	10.1	49
179	Advanced atherosclerosis imaging by CT: Radiomics, machine learning and deep learning. <i>Journal of Cardiovascular Computed Tomography</i> , 2019 , 13, 274-280	2.8	47
178	Computed tomography-based high-risk coronary plaque score to predict acute coronary syndrome among patients with acute chest pain--Results from the ROMICAT II trial. <i>Journal of Cardiovascular Computed Tomography</i> , 2015 , 9, 538-45	2.8	41
177	Feasibility and optimization of aortic valve planimetry with MDCT. <i>American Journal of Roentgenology</i> , 2007 , 188, 356-60	5.4	41
176	Radiomics versus Visual and Histogram-based Assessment to Identify Atheromatous Lesions at Coronary CT Angiography: An ex Vivo Study. <i>Radiology</i> , 2019 , 293, 89-96	20.5	40
175	Coronary artery disease reporting and data system (CAD-RADS): Inter-observer agreement for assessment categories and modifiers. <i>Journal of Cardiovascular Computed Tomography</i> , 2018 , 12, 125-130	3.8	38
174	Clinical quantitative cardiac imaging for the assessment of myocardial ischaemia. <i>Nature Reviews Cardiology</i> , 2020 , 17, 427-450	14.8	37
173	Coronary Plaque Morphology and the Anti-Inflammatory Impact of Atorvastatin: A Multicenter 18F-Fluorodeoxyglucose Positron Emission Tomographic/Computed Tomographic Study. <i>Circulation: Cardiovascular Imaging</i> , 2016 , 9,	3.9	37
172	Influence of pericoronary adipose tissue on local coronary atherosclerosis as assessed by a novel MDCT volumetric method. <i>Atherosclerosis</i> , 2011 , 219, 151-7	3.1	36
171	Differentiation of early from advanced coronary atherosclerotic lesions: systematic comparison of CT, intravascular US, and optical frequency domain imaging with histopathologic examination in ex vivo human hearts. <i>Radiology</i> , 2012 , 265, 393-401	20.5	35
170	hs-Troponin I Followed by CT Angiography Improves Acute Coronary Syndrome Risk Stratification Accuracy and Work-Up in Acute Chest Pain Patients: Results From ROMICAT II Trial. <i>JACC: Cardiovascular Imaging</i> , 2015 , 8, 1272-1281	8.4	34
169	The effect of iterative model reconstruction on coronary artery calcium quantification. <i>International Journal of Cardiovascular Imaging</i> , 2016 , 32, 153-60	2.5	32
168	Myocardial Infarction Associates With a Distinct Pericoronary Adipose Tissue Radiomic Phenotype: A Prospective Case-Control Study. <i>JACC: Cardiovascular Imaging</i> , 2020 , 13, 2371-2383	8.4	32

167	Predictors of image quality in high-pitch coronary CT angiography. <i>American Journal of Roentgenology</i> , 2011 , 197, 851-8	5.4	30
166	Experience With an On-Site Coronary Computed Tomography-Derived Fractional Flow Reserve Algorithm for the Assessment of Intermediate Coronary Stenoses. <i>American Journal of Cardiology</i> , 2018 , 121, 9-13	3	29
165	The Future of Cardiovascular Computed Tomography: Advanced Analytics and Clinical Insights. <i>JACC: Cardiovascular Imaging</i> , 2019 , 12, 1058-1072	8.4	28
164	Epicardial adipose tissue is associated with extent of pneumonia and adverse outcomes in patients with COVID-19. <i>Metabolism: Clinical and Experimental</i> , 2021 , 115, 154436	12.7	27
163	Transcatheter mitral valve replacement in mitral annulus calcification - "The art of computer simulation". <i>Journal of Cardiovascular Computed Tomography</i> , 2018 , 12, 153-157	2.8	25
162	Relationship of thoracic fat depots with coronary atherosclerosis and circulating inflammatory biomarkers. <i>Obesity</i> , 2015 , 23, 1178-84	8	25
161	How to assess non-calcified plaque in CT angiography: delineation methods affect diagnostic accuracy of low-attenuation plaque by CT for lipid-core plaque in histology. <i>European Heart Journal Cardiovascular Imaging</i> , 2013 , 14, 1099-105	4.1	25
160	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, 286-291	9.5	25
159	Coronary Access After Repeated Transcatheter Aortic Valve Implantation: A Glimpse Into the Future. <i>JACC: Cardiovascular Imaging</i> , 2020 , 13, 508-515	8.4	24
158	Iterative image reconstruction algorithms in coronary CT angiography improve the detection of lipid-core plaque--a comparison with histology. <i>European Radiology</i> , 2015 , 25, 15-23	8	23
157	Computed tomography versus invasive coronary angiography: design and methods of the pragmatic randomised multicentre DISCHARGE trial. <i>European Radiology</i> , 2017 , 27, 2957-2968	8	23
156	Variability and accuracy of coronary CT angiography including use of iterative reconstruction algorithms for plaque burden assessment as compared with intravascular ultrasound-an ex vivo study. <i>European Radiology</i> , 2012 , 22, 2067-75	8	22
155	Images in cardiovascular medicine. Cardiac contusion in a professional soccer player: visualization of acute and late pathological changes in the myocardium with magnetic resonance imaging. <i>Circulation</i> , 2010 , 121, 2456-61	16.7	22
154	Plaque assessment by coronary CT. <i>International Journal of Cardiovascular Imaging</i> , 2016 , 32, 161-72	2.5	21
153	Serum lipids and cardiac function correlate with nitrotyrosine and MMP activity in coronary artery disease patients. <i>European Journal of Clinical Investigation</i> , 2015 , 45, 692-701	4.6	21
152	Coronary Access After TAVR-in-TAVR as Evaluated by Multidetector Computed Tomography. <i>JACC: Cardiovascular Interventions</i> , 2020 , 13, 2528-2538	5	21
151	Effect of image reconstruction algorithms on volumetric and radiomic parameters of coronary plaques. <i>Journal of Cardiovascular Computed Tomography</i> , 2019 , 13, 325-330	2.8	20
150	Non-invasive and invasive imaging of vulnerable coronary plaque. <i>Trends in Cardiovascular Medicine</i> , 2016 , 26, 538-47	6.9	19

149	CAD-RADS - a new clinical decision support tool for coronary computed tomography angiography. <i>European Radiology</i> , 2018 , 28, 1365-1372	8	19
148	Precision phenotyping, panomics, and system-level bioinformatics to delineate complex biologies of atherosclerosis: rationale and design of the "Genetic Loci and the Burden of Atherosclerotic Lesions" study. <i>Journal of Cardiovascular Computed Tomography</i> , 2014 , 8, 442-51	2.8	18
147	Non-invasive fractional flow reserve derived from coronary computed tomography angiography in patients with acute chest pain: Subgroup analysis of the ROMICAT II trial. <i>Journal of Cardiovascular Computed Tomography</i> , 2019 , 13, 196-202	2.8	17
146	Combined Assessment of High-Sensitivity Troponin T and Noninvasive Coronary Plaque Composition for the Prediction of Cardiac Outcomes. <i>Radiology</i> , 2015 , 276, 73-81	20.5	17
145	Quantifying the effect of side branches in endothelial shear stress estimates. <i>Atherosclerosis</i> , 2016 , 251, 213-218	3.1	17
144	Prognostic Value of Coronary Computed Tomography Angiography in Patients With Diabetes: A Meta-analysis. <i>Diabetes Care</i> , 2016 , 39, 1274-80	14.6	17
143	The effect of four-phasic versus three-phasic contrast media injection protocols on extravasation rate in coronary CT angiography: a randomized controlled trial. <i>European Radiology</i> , 2017 , 27, 4538-4543 ⁸		17
142	Iterative model reconstruction reduces calcified plaque volume in coronary CT angiography. <i>European Journal of Radiology</i> , 2017 , 87, 83-89	4.7	16
141	Improving CCTA-based lesions' hemodynamic significance assessment by accounting for partial volume modeling in automatic coronary lumen segmentation. <i>Medical Physics</i> , 2017 , 44, 1040-1049	4.4	16
140	Rationale, Design, and Methodological Aspects of the BUDAPEST-GLOBAL Study (Burden of Atherosclerotic Plaques Study in Twins-Genetic Loci and the Burden of Atherosclerotic Lesions). <i>Clinical Cardiology</i> , 2015 , 38, 699-707	3.3	16
139	Comparison of Quantity of Coronary Atherosclerotic Plaques Detected by Computed Tomography Versus Angiography. <i>American Journal of Cardiology</i> , 2016 , 117, 1863-7	3	16
138	Serum Uric Acid Is Independently Associated with Coronary Calcification in an Asymptomatic Population. <i>Journal of Cardiovascular Translational Research</i> , 2019 , 12, 204-210	3.3	16
137	Multimodality imaging atlas of coronary atherosclerosis. <i>JACC: Cardiovascular Imaging</i> , 2010 , 3, 876-80	8.4	15
136	Association of ischemic stroke to coronary artery disease using computed tomography coronary angiography. <i>International Journal of Cardiology</i> , 2012 , 160, 171-4	3.2	14
135	Coronary Computed Tomography Angiography-Specific Definitions of High-Risk Plaque Features Improve Detection of Acute Coronary Syndrome. <i>Circulation: Cardiovascular Imaging</i> , 2018 , 11, e007657	3.9	14
134	Comprehensive coronary plaque assessment in patients with obstructive sleep apnea. <i>Journal of Sleep Research</i> , 2019 , 28, e12828	5.8	13
133	Esmolol is noninferior to metoprolol in achieving a target heart rate of 65 beats/min in patients referred to coronary CT angiography: a randomized controlled clinical trial. <i>Journal of Cardiovascular Computed Tomography</i> , 2015 , 9, 139-45	2.8	13
132	Quantitative coronary plaque analysis predicts high-risk plaque morphology on coronary computed tomography angiography: results from the ROMICAT II trial. <i>International Journal of Cardiovascular Imaging</i> , 2018 , 34, 311-319	2.5	13

131	The effect of iterative image reconstruction algorithms on the feasibility of automated plaque assessment in coronary CT angiography. <i>International Journal of Cardiovascular Imaging</i> , 2013 , 29, 1879-88	8.5	13
130	Classification of coronary atherosclerotic plaques ex vivo with T1, T2, and ultrashort echo time CMR. <i>JACC: Cardiovascular Imaging</i> , 2013 , 6, 466-74	8.4	13
129	Gene polymorphisms as risk factors for predicting the cardiovascular manifestations in Marfan syndrome. Role of folic acid metabolism enzyme gene polymorphisms in Marfan syndrome. <i>Thrombosis and Haemostasis</i> , 2015 , 114, 748-56	7	13
128	A comparison of reconstruction and viewing parameters on image quality and accuracy of stress myocardial CT perfusion. <i>Journal of Cardiovascular Computed Tomography</i> , 2011 , 5, 459-66	2.8	13
127	Quantitative Burden of COVID-19 Pneumonia on Chest CT Predicts Adverse Outcomes: A Post-Hoc Analysis of a Prospective International Registry. <i>Radiology: Cardiothoracic Imaging</i> , 2020 , 2, e200389	8.3	13
126	Differences in the association of total versus local coronary artery calcium with acute coronary syndrome and culprit lesions in patients with acute chest pain: The coronary calcium paradox. <i>Atherosclerosis</i> , 2018 , 274, 251-257	3.1	12
125	Infarct detection with a comprehensive cardiac CT protocol. <i>Journal of Cardiovascular Computed Tomography</i> , 2012 , 6, 14-23	2.8	12
124	Methods of plaque quantification and characterization by cardiac computed tomography. <i>Journal of Cardiovascular Computed Tomography</i> , 2009 , 3 Suppl 2, S91-8	2.8	12
123	Complementary value of cardiac FDG PET and CT for the characterization of atherosclerotic disease. <i>Radiographics</i> , 2011 , 31, 1255-69	5.4	11
122	Ultra low-dose chest ct with iterative reconstructions as an alternative to conventional chest x-ray prior to heart surgery (CRICKET study): Rationale and design of a multicenter randomized trial. <i>Journal of Cardiovascular Computed Tomography</i> , 2016 , 10, 242-5	2.8	10
121	Multidetector CT angiography of the Circle of Willis: association of its variants with carotid artery disease and brain ischemia. <i>European Radiology</i> , 2019 , 29, 46-56	8	10
120	Structured reporting platform improves CAD-RADS assessment. <i>Journal of Cardiovascular Computed Tomography</i> , 2017 , 11, 449-454	2.8	10
119	Determinants and effects of electrical stimulation of the inferior interatrial parasympathetic plexus during atrial fibrillation. <i>Journal of Cardiovascular Electrophysiology</i> , 2005 , 16, 1362-7	2.7	10
118	Rationale and design of the worldwide prospective multicenter registry on radiation dose estimates of cardiac CT angiography in daily practice in 2017 (PROTECTION VI). <i>Journal of Cardiovascular Computed Tomography</i> , 2018 , 12, 81-85	2.8	10
117	Contemporary rationale for non-invasive imaging of adverse coronary plaque features to identify the vulnerable patient: Position Paper from the European Society of Cardiology Working Group on Atherosclerosis and Vascular Biology and the European Association of Cardiovascular Imaging. <i>European Heart Journal Cardiovascular Imaging</i> , 2020 , 21, 1177-1183	4.1	10
116	Artificial Intelligence in Cardiovascular Imaging for Risk Stratification in Coronary Artery Disease. <i>Radiology: Cardiothoracic Imaging</i> , 2021 , 3, e200512	8.3	10
115	Training in cardiac computed tomography: EACVI certification process. <i>European Heart Journal Cardiovascular Imaging</i> , 2018 , 19, 123-126	4.1	10
114	Multimodality Imaging of Giant Right Coronary Aneurysm and Postsurgical Coronary Artery Inflammation. <i>Circulation</i> , 2015 , 132, e1-5	16.7	9

113	Artificial intelligence: improving the efficiency of cardiovascular imaging. <i>Expert Review of Medical Devices</i> , 2020 , 17, 565-577	3.5	8
112	Inverse association between hyperthymic affective temperament and coronary atherosclerosis: A coronary computed tomography angiography study. <i>Journal of Psychosomatic Research</i> , 2017 , 103, 108-112	4.1	8
111	Left ventricular and atrial strain imaging with cardiac computed tomography: Validation against echocardiography. <i>Journal of Cardiovascular Computed Tomography</i> , 2020 , 14, 363-369	2.8	8
110	Impact of COVID-19 on Cardiovascular Testing in the United States Versus the Rest of the World. <i>JACC: Cardiovascular Imaging</i> , 2021 , 14, 1787-1799	8.4	8
109	Image Quality of Prospectively ECG-Triggered Coronary CT Angiography in Heart Transplant Recipients. <i>American Journal of Roentgenology</i> , 2018 , 210, 314-319	5.4	7
108	Assessing genetic and environmental influences on epicardial and abdominal adipose tissue quantities: a classical twin study. <i>International Journal of Obesity</i> , 2018 , 42, 163-168	5.5	7
107	Bentall procedure: quarter century of clinical experiences of a single surgeon. <i>Journal of Cardiothoracic Surgery</i> , 2016 , 11, 19	1.6	7
106	Subclinical leaflet thrombosis is associated with impaired reverse remodelling after transcatheter aortic valve implantation. <i>European Heart Journal Cardiovascular Imaging</i> , 2020 , 21, 1144-1151	4.1	7
105	Increased visceral arterial tortuosity in Marfan syndrome. <i>Orphanet Journal of Rare Diseases</i> , 2020 , 15, 91	4.2	7
104	CT or Invasive Coronary Angiography in Stable Chest Pain.. <i>New England Journal of Medicine</i> , 2022 ,	59.2	7
103	Thoracic aortic strain can affect endograft sizing in young patients. <i>Journal of Vascular Surgery</i> , 2015 , 62, 1479-84	3.5	6
102	A functionally personalized boundary condition model to improve estimates of fractional flow reserve with CT (CT-FFR). <i>Medical Physics</i> , 2018 , 45, 1170-1177	4.4	6
101	Association between Cyclothymic Affective Temperament and Age of Onset of Hypertension. <i>International Journal of Hypertension</i> , 2019 , 2019, 9248247	2.4	6
100	Quantitative CT assessment identifies more heart transplanted patients with progressive coronary wall thickening than standard clinical read. <i>Journal of Cardiovascular Computed Tomography</i> , 2019 , 13, 128-133	2.8	6
99	Effect of inversion time on the precision of myocardial late gadolinium enhancement quantification evaluated with synthetic inversion recovery MR imaging. <i>European Radiology</i> , 2017 , 27, 3235-3243	8	5
98	Design of CTP-PRO study (impact of stress Cardiac computed Tomography myocardial Perfusion on downstream resources and PROgnosis in patients with suspected or known coronary artery disease: A multicenter international study). <i>International Journal of Cardiology</i> , 2019 , 292, 253-257	3.2	5
97	Uncommon presentation of a rare tumour - incidental finding in an asymptomatic patient: case report and comprehensive review of the literature on intrapericardial solitary fibrous tumours. <i>BMC Cancer</i> , 2017 , 17, 612	4.8	5
96	Coronary Artery Manifestation of Ormond Disease: The "Mistletoe Sign". <i>Radiology</i> , 2017 , 282, 356-360	20.5	5

95	Right Ventricular Adaptation Is Associated with the Glu298Asp Variant of the NOS3 Gene in Elite Athletes. <i>PLoS ONE</i> , 2015 , 10, e0141680	3.7	5
94	The year in cardiology: imaging. <i>European Heart Journal</i> , 2020 , 41, 739-747	9.5	5
93	Posterior Left Atrial Adipose Tissue Attenuation Assessed by Computed Tomography and Recurrence of Atrial Fibrillation After Catheter Ablation. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2021 , 14, e009135	6.4	5
92	Genetically determined pattern of left ventricular function in normal and hypertensive hearts. <i>Journal of Clinical Hypertension</i> , 2018 , 20, 949-958	2.3	5
91	Defining the optimal systolic phase targets using absolute delay time for reconstructions in dual-source coronary CT angiography. <i>International Journal of Cardiovascular Imaging</i> , 2016 , 32, 91-100	2.5	4
90	Cardiac CT Imaging of Plaque Vulnerability: Hype or Hope?. <i>Current Cardiology Reports</i> , 2016 , 18, 37	4.2	4
89	Images in cardiovascular medicine. Double-chambered right ventricle and situs inversus with dextrocardia. <i>Circulation</i> , 2010 , 121, e229-32	16.7	4
88	The Predictive Role of Artificial Intelligence-Based Chest CT Quantification in Patients with COVID-19 Pneumonia. <i>Tomography</i> , 2021 , 7, 697-710	3.1	4
87	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
86	Effect of vessel wall segmentation on volumetric and radiomic parameters of coronary plaques with adverse characteristics. <i>Journal of Cardiovascular Computed Tomography</i> , 2021 , 15, 137-145	2.8	4
85	Genetic and environmental determinants of longitudinal stability of arterial stiffness and wave reflection: a twin study. <i>Journal of Hypertension</i> , 2018 , 36, 2316-2323	1.9	4
84	Statin Use Is Associated With Fewer High-Risk Plaques on Coronary CT Angiography. <i>JACC: Cardiovascular Imaging</i> , 2017 , 10, 208-210	8.4	3
83	Calcium scoring: a personalized probability assessment predicts the need for additional or alternative testing to coronary CT angiography. <i>European Radiology</i> , 2020 , 30, 5499-5506	8	3
82	The Journal of Cardiovascular Computed Tomography year in review - 2019. <i>Journal of Cardiovascular Computed Tomography</i> , 2020 , 14, 107-117	2.8	3
81	Genetic influence on femoral plaque and its relationship with carotid plaque: an international twin study. <i>International Journal of Cardiovascular Imaging</i> , 2018 , 34, 531-541	2.5	3
80	Hypertrophic Cardiomyopathy in a Monozygotic Twin Pair: Similarly Different. <i>Circulation: Cardiovascular Imaging</i> , 2016 , 9,	3.9	3
79	The year 2017 in the European Heart Journal-Cardiovascular Imaging: Part I. <i>European Heart Journal Cardiovascular Imaging</i> , 2018 , 19, 1099-1106	4.1	3
78	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

77	The Association Between Marital Status, Coronary Computed Tomography Imaging Biomarkers, and Mortality in a Lung Cancer Screening Population. <i>Journal of Thoracic Imaging</i> , 2020 , 35, 204-209	5.6	3
76	Clinical pre-test probability for obstructive coronary artery disease: insights from the European DISCHARGE pilot study. <i>European Radiology</i> , 2021 , 31, 1471-1481	8	3
75	Orientation of the right superior pulmonary vein affects outcome after pulmonary vein isolation. <i>European Heart Journal Cardiovascular Imaging</i> , 2021 ,	4.1	3
74	Preoperative Chest Computed Tomography Screening for Coronavirus Disease 2019 in Asymptomatic Patients Undergoing Cardiac Surgery. <i>Seminars in Thoracic and Cardiovascular Surgery</i> , 2021 , 33, 417-424	1.7	3
73	Aortic root dimensions are predominantly determined by genetic factors: a classical twin study. <i>European Radiology</i> , 2017 , 27, 2419-2425	8	2
72	CT Images Are Noninferior to Anatomic Specimens in Teaching Cardiac Anatomy-A Randomized Quantitative Study. <i>Journal of the American College of Radiology</i> , 2017 , 14, 409-415.e2	3.5	2
71	Heritability of the femoral intima media thickness. <i>European Journal of Internal Medicine</i> , 2017 , 41, 44-48.9	3.9	2
70	The year 2015-16 in the European Heart Journal-Cardiovascular Imaging. Part II. <i>European Heart Journal Cardiovascular Imaging</i> , 2017 , 18, 1322-1330	4.1	2
69	Health-related quality of life, angina type and coronary artery disease in patients with stable chest pain. <i>Health and Quality of Life Outcomes</i> , 2020 , 18, 140	3	2
68	The year 2017 in the European Heart Journal-Cardiovascular Imaging: Part II. <i>European Heart Journal Cardiovascular Imaging</i> , 2018 , 19, 1222-1229	4.1	2
67	The natural history of napkin-ring sign by coronary computed tomography angiography. <i>Postępy W Kardiologii Interwencyjnej</i> , 2019 , 15, 314-320	0.4	2
66	The years 2015-2016 in the European Heart Journal-Cardiovascular Imaging. Part I. <i>European Heart Journal Cardiovascular Imaging</i> , 2017 , 18, 1092-1098	4.1	2
65	Computational fluid dynamic modelling to determine the hemodynamic effects of implanting a transcatheter mitral valve within the left ventricle. <i>International Journal of Cardiovascular Imaging</i> , 2018 , 34, 803-805	2.5	2
64	2D.05. <i>Journal of Hypertension</i> , 2015 , 33, e29	1.9	2
63	Radiomics-Based Precision Phenotyping Identifies Unstable Coronary Plaques From Computed Tomography Angiography.. <i>JACC: Cardiovascular Imaging</i> , 2022 , 15, 859-871	8.4	2
62	The effect of left atrial wall thickness and pulmonary vein sizes on the acute procedural success of atrial fibrillation ablation.. <i>International Journal of Cardiovascular Imaging</i> , 2022 , 1	2.5	2
61	Model-based adaptive filter for a dedicated cardiovascular CT scanner: Assessment of image noise, sharpness and quality. <i>European Journal of Radiology</i> , 2021 , 145, 110032	4.7	2
60	Computed Tomographic Angiography for Risk Stratification in Patients with Acute Chest Pain - The Triple Rule-out Concept in the Emergency Department. <i>Current Medical Imaging</i> , 2020 , 16, 98-110	1.2	2

59	Artificial intelligence in cardiovascular CT: Current status and future implications. <i>Journal of Cardiovascular Computed Tomography</i> , 2021 , 15, 462-469	2.8	2
58	Evaluation of the Efficacy of Computed Tomographic Coronary Angiography in Assessing Coronary Artery Morphology and Physiology: Rationale and Study Design. <i>Cardiology</i> , 2020 , 145, 285-293	1.6	2
57	Coronary plaque burden of the left anterior descending artery in patients with or without myocardial bridge: A case-control study based on coronary CT-angiography. <i>International Journal of Cardiology</i> , 2021 , 327, 231-235	3.2	2
56	Standardised computed tomographic assessment of left atrial morphology and tissue thickness in humans. <i>IJC Heart and Vasculature</i> , 2021 , 32, 100694	2.4	2
55	Heritability of Coronary Artery Disease: Insights From a Classical Twin Study.. <i>Circulation: Cardiovascular Imaging</i> , 2022 , 15, e013348	3.9	2
54	Cardiac Computed Tomography Certification at Euroecho Imaging 2018. <i>European Heart Journal Cardiovascular Imaging</i> , 2019 , 20, 253-254	4.1	1
53	Cardiac CT Radiomics. <i>Contemporary Medical Imaging</i> , 2019 , 715-724	0.1	1
52	Wellens Syndrome Depicted by Coronary CT Angiography. <i>Journal of Cardiovascular Emergencies</i> , 2016 , 2, 185-187	0.3	1
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50	Non-diagnostic coronary artery calcification and stenosis: a correlation of coronary computed tomography angiography and invasive coronary angiography. <i>Acta Radiologica</i> , 2017 , 58, 528-536	2	1
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