Pl Maurovich Horvat

List of Publications by Year in Descending Order

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	The diagnostic performance of deep-learning-based CT severity score to identify COVID-19 pneumonia. *British Journal of Radiology*, **2022**, 95, 20210759	3.4	1
201	Radiomics-Based Precision PhenotypingⅡdentifies Unstable Coronary Plaques From Computed Tomography Angiography.. *JACC: Cardiovascular Imaging*, **2022**, 15, 859-871	8.4	2
200	Clinical applications of cardiac computed tomography: a consensus paper of the European Association of Cardiovascular Imaging-part I.. *European Heart Journal Cardiovascular Imaging*, **2022**,	4.1	3
199	The effect of left atrial wall thickness and pulmonary vein sizes on the acute procedural success of atrial fibrillation ablation.. *International Journal of Cardiovascular Imaging*, **2022**, 1	2.5	2
198	Clinical applications of cardiac computed tomography: a consensus paper of the European Association of Cardiovascular Imaging-part II.. *European Heart Journal Cardiovascular Imaging*, **2022**,	4.1	4
197	Heritability of Coronary Artery Disease: Insights From a Classical Twin Study.. *Circulation: Cardiovascular Imaging*, **2022**, 15, e013348	3.9	2
196	Quality and safety of coronary computed tomography angiography at academic and non-academic sites: insights from a large European registry (ESCR MR/CT Registry).. *European Radiology*, **2022**, 1	8	1
195	CT or Invasive Coronary Angiography in Stable Chest Pain.. *New England Journal of Medicine*, **2022**,	59.2	7
194	Evaluating the Coronary Artery Disease Consortium Model and the Coronary Artery Calcium Score in Predicting Obstructive Coronary Artery Disease in a Symptomatic Mixed Asian Cohort.. *Journal of the American Heart Association*, **2022**, e022697	6	0
193	Radiomics in Cardiac CT. *Contemporary Medical Imaging*, **2022**, 305-311	0.1	
192	The Predictive Value of Left Atrial Strain Following Transcatheter Aortic Valve Implantation on Anatomical and Functional Reverse Remodeling in a Multi-Modality Study.. *Frontiers in Cardiovascular Medicine*, **2022**, 9, 841658	5.4	0
191	Worldwide Disparities in Recovery of Cardiac Testing 1 Year Into COVID-19.. *Journal of the American College of Cardiology*, **2022**, 79, 2001-2017	15.1	1
190	Sex-specific associations between alcohol consumption, cardiac morphology, and function as assessed by magnetic resonance imaging: insights form the UK Biobank Population Study. *European Heart Journal Cardiovascular Imaging*, **2021**, 22, 1009-1016	4.1	0
189	The Predictive Role of Artificial Intelligence-Based Chest CT Quantification in Patients with COVID-19 Pneumonia. *Tomography*, **2021**, 7, 697-710	3.1	4
188	Left atrial appendage size is a marker of atrial fibrillation recurrence after radiofrequency catheter ablation in patients with persistent atrial fibrillation. *Clinical Cardiology*, **2021**,	3.3	1
187	Effect of routine preoperative screening for aortic calcifications using noncontrast computed tomography on stroke rate in cardiac surgery: the randomized controlled CRICKET study. *European Radiology*, **2021**, 1	8	0
186	Model-based adaptive filter for a dedicated cardiovascular CT scanner: Assessment of image noise, sharpness and quality. *European Journal of Radiology*, **2021**, 145, 110032	4.7	2

No.	Title	IF	Cit.
185	Contrast agent volume for coronary computed tomography angiography imaging in current clinical practice. *Journal of Cardiovascular Computed Tomography*, **2021**,	2.8	0
184	Current trends in the use of machine learning for diagnostics and/or risk stratification in cardiovascular disease. *Cardiovascular Research*, **2021**, 117, e67-e69	9.9	1
183	Overlapping Genetic Background of Coronary Artery and Carotid/Femoral Atherosclerotic Calcification. *Medicina (Lithuania)*, **2021**, 57,	3.1	1
182	Artificial intelligence in cardiovascular CT: Current status and future implications. *Journal of Cardiovascular Computed Tomography*, **2021**, 15, 462-469	2.8	2
181	Left atrial appendage morphology and the risk of stroke. *Revista Romana De Cardiologie*, **2021**, 31, 46-51	0.1	
180	Posterior Left Atrial Adipose Tissue Attenuation Assessed by Computed Tomography and Recurrence of Atrial Fibrillation After Catheter Ablation. *Circulation: Arrhythmia and Electrophysiology*, **2021**, 14, e009135	6.4	5
179	The association between accelerated vascular aging and cyclothymic affective temperament in women. *Journal of Psychosomatic Research*, **2021**, 145, 110423	4.1	0
178	Liver displacement caused by distended stomach in Parkinsonian patient. *Imaging*, **2021**, 13, 76-79	0.3	
177	Impact of Dose Reduction Strategies on Image Quality of Coronary CTA in Real-World Clinical Practice: A Subanalysis of PROTECTION VI Registry Data. *American Journal of Roentgenology*, **2021**, 217, 1344-1352	5.4	0
176	Epicardial adipose tissue is associated with extent of pneumonia and adverse outcomes in patients with COVID-19. *Metabolism: Clinical and Experimental*, **2021**, 115, 154436	12.7	27
175	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. *International Journal of Cardiology*, **2021**, 327, 231-235	3.2	2
174	Effect of vessel wall segmentation on volumetric and radiomic parameters of coronary plaques with adverse characteristics. *Journal of Cardiovascular Computed Tomography*, **2021**, 15, 137-145	2.8	4
173	Clinical pre-test probability for obstructive coronary artery disease: insights from the European DISCHARGE pilot study. *European Radiology*, **2021**, 31, 1471-1481	8	3
172	Cardiac Computed Tomography to Identify and Guide Therapy of Intramural Hemorrhage in High-Risk Coronary Anatomy. *JACC: Case Reports*, **2021**, 3, 120-124	1.2	
171	Radiomics in cardiovascular imaging: principles and clinical implications **2021**, 281-310		
170	International Impact of COVID-19 on the Diagnosis of Heart Disease. *Journal of the American College of Cardiology*, **2021**, 77, 173-185	15.1	55
169	Artificial Intelligence in Cardiovascular Imaging for Risk Stratification in Coronary Artery Disease. *Radiology: Cardiothoracic Imaging*, **2021**, 3, e200512	8.3	10
168	Standardised computed tomographic assessment of left atrial morphology and tissue thickness in humans. *IJC Heart and Vasculature*, **2021**, 32, 100694	2.4	2

No.	Title	IF	Cit.
167	Orientation of the right superior pulmonary vein affects outcome after pulmonary vein isolation. *European Heart Journal Cardiovascular Imaging*, **2021**,	4.1	3
166	Incidence, Causes, and Outcomes Associated With Urgent Implantation of a Supplementary Valve During Transcatheter Aortic Valve Replacement. *JAMA Cardiology*, **2021**, 6, 936-944	16.2	1
165	Total coronary atherosclerotic plaque burden is associated with myocardial ischemia in non-obstructive coronary artery disease. *IJC Heart and Vasculature*, **2021**, 35, 100831	2.4	0
164	Anatomical Characteristics of the Left Atrium and Left Atrial Appendage in Relation to the Risk of Stroke in Patients With Versus Without Atrial Fibrillation. *Circulation: Arrhythmia and Electrophysiology*, **2021**, 14, e009777	6.4	0
163	The year 2020 in the European Heart Journal - Cardiovascular Imaging: part I. *European Heart Journal Cardiovascular Imaging*, **2021**, 22, 1219-1227	4.1	0
162	Diagnosis of focal liver lesions with deep learning-based multi-channel analysis of hepatocyte-specific contrast-enhanced magnetic resonance imaging. *World Journal of Gastroenterology*, **2021**, 27, 5978-5988	5.6	0
161	Impact of COVID-19 on Cardiovascular Testing in the United States Versus the Rest of the World. *JACC: Cardiovascular Imaging*, **2021**, 14, 1787-1799	8.4	8
160	Association between affective temperaments and severe coronary artery disease. *Journal of Affective Disorders*, **2021**, 295, 914-919	6.6	0
159	Preoperative Chest Computed Tomography Screening for Coronavirus Disease 2019 in Asymptomatic Patients Undergoing Cardiac Surgery. *Seminars in Thoracic and Cardiovascular Surgery*, **2021**, 33, 417-424	1.7	3
158	Autoimmune Progressive Fibrosing Interstitial Lung Disease: Predictors of Fast Decline.. *Frontiers in Pharmacology*, **2021**, 12, 778649	5.6	0
157	Calcium scoring: a personalized probability assessment predicts the need for additional or alternative testing to coronary CT angiography. *European Radiology*, **2020**, 30, 5499-5506	8	3
156	Health-related qualify of life, angina type and coronary artery disease in patients with stable chest pain. *Health and Quality of Life Outcomes*, **2020**, 18, 140	3	2
155	Artificial intelligence: improving the efficiency of cardiovascular imaging. *Expert Review of Medical Devices*, **2020**, 17, 565-577	3.5	8
154	Clinical quantitative cardiac imaging for the assessment of myocardial ischaemia. *Nature Reviews Cardiology*, **2020**, 17, 427-450	14.8	37
153	The Journal of Cardiovascular Computed Tomography year in review - 2019. *Journal of Cardiovascular Computed Tomography*, **2020**, 14, 107-117	2.8	3
152	COVID-19 pandemic and cardiac imaging: EACVI recommendations on precautions, indications, prioritization, and protection for patients and healthcare personnel. *European Heart Journal Cardiovascular Imaging*, **2020**, 21, 592-598	4.1	158
151	Computed Tomographic Angiography for Risk Stratification in Patients with Acute Chest Pain - The Triple Rule-out Concept in the Emergency Department. *Current Medical Imaging*, **2020**, 16, 98-110	1.2	2
150	Effect of genetic and environmental influences on hepatic steatosis: A classical twin study based on computed tomography. *Imaging*, **2020**, 12, 15-20	0.3	

149	Myocardial Infarction Associates With a Distinct Pericoronary Adipose Tissue Radiomic Phenotype: A Prospective Case-Control Study. *JACC: Cardiovascular Imaging*, **2020**, 13, 2371-2383	8.4	32
148	Coronary Access After Repeated Transcatheter Aortic Valve Implantation: A Glimpse Into the Future. *JACC: Cardiovascular Imaging*, **2020**, 13, 508-515	8.4	24
147	Subclinical leaflet thrombosis is associated with impaired reverse remodelling after transcatheter aortic valve implantation. *European Heart Journal Cardiovascular Imaging*, **2020**, 21, 1144-1151	4.1	7
146	The year in cardiology: imaging. *European Heart Journal*, **2020**, 41, 739-747	9.5	5
145	The Association Between Marital Status, Coronary Computed Tomography Imaging Biomarkers, and Mortality in a Lung Cancer Screening Population. *Journal of Thoracic Imaging*, **2020**, 35, 204-209	5.6	3
144	Left ventricular and atrial strain imaging with cardiac computed tomography: Validation against echocardiography. *Journal of Cardiovascular Computed Tomography*, **2020**, 14, 363-369	2.8	8
143	Quantitative Burden of COVID-19 Pneumonia on Chest CT Predicts Adverse Outcomes: A Post-Hoc Analysis of a Prospective International Registry. *Radiology: Cardiothoracic Imaging*, **2020**, 2, e200389	8.3	13
142	Environmental Factors Slightly Outweigh Genetic Influences in the Development of Pancreatic Lipid Accumulation: A Classical Twin Study. *Metabolic Syndrome and Related Disorders*, **2020**, 18, 413-418	2.6	1
141	Coronary Access After TAVR-in-TAVR as Evaluated by Multidetector Computed Tomography. *JACC: Cardiovascular Interventions*, **2020**, 13, 2528-2538	5	21
140	Contemporary rationale for non-invasive imaging of adverse coronary plaque features to identify the vulnerable patient: a Position Paper from the European Society of Cardiology Working Group on Atherosclerosis and Vascular Biology and the European Association of Cardiovascular Imaging. *European Heart Journal Cardiovascular Imaging*, **2020**, 21, 1177-1183	4.1	10
139	Evaluation of the Efficacy of Computed Tomographic Coronary Angiography in Assessing Coronary Artery Morphology and Physiology: Rationale and Study Design. *Cardiology*, **2020**, 145, 285-293	1.6	2
138	Increased visceral arterial tortuosity in Marfan syndrome. *Orphanet Journal of Rare Diseases*, **2020**, 15, 91	4.2	7
137	Cardiac Computed Tomography Certification at Euroecho Imaging 2018. *European Heart Journal Cardiovascular Imaging*, **2019**, 20, 253-254	4.1	1
136	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). *International Journal of Cardiology*, **2019**, 292, 253-257	3.2	5
135	The Future of Cardiovascular Computed Tomography: Advanced Analytics and Clinical Insights. *JACC: Cardiovascular Imaging*, **2019**, 12, 1058-1072	8.4	28
134	Advanced Methods for Coronary Artery Plaque Analysis. *Contemporary Medical Imaging*, **2019**, 725-735	0.1	
133	Non-invasive fractional flow reserve derived from coronary computed tomography angiography in patients with acute chest pain: Subgroup analysis of the ROMICAT II trial. *Journal of Cardiovascular Computed Tomography*, **2019**, 13, 196-202	2.8	17
132	Cardiac CT Radiomics. *Contemporary Medical Imaging*, **2019**, 715-724	0.1	1

131	Advanced atherosclerosis imaging by CT: Radiomics, machine learning and deep learning. *Journal of Cardiovascular Computed Tomography*, **2019**, 13, 274-280	2.8	47
130	Identification of invasive and radionuclide imaging markers of coronary plaque vulnerability using radiomic analysis of coronary computed tomography angiography. *European Heart Journal Cardiovascular Imaging*, **2019**, 20, 1250-1258	4.1	57
129	Comprehensive coronary plaque assessment in patients with obstructive sleep apnea. *Journal of Sleep Research*, **2019**, 28, e12828	5.8	13
128	Multidetector CT angiography of the Circle of Willis: association of its variants with carotid artery disease and brain ischemia. *European Radiology*, **2019**, 29, 46-56	8	10
127	Radiomics versus Visual and Histogram-based Assessment to Identify Atheromatous Lesions at Coronary CT Angiography: An ex Vivo Study. *Radiology*, **2019**, 293, 89-96	20.5	40
126	The natural history of napkin-ring sign by coronary computed tomography angiography. *Postepy W Kardiologii Interwencyjnej*, **2019**, 15, 314-320	0.4	2
125	Association between Cyclothymic Affective Temperament and Age of Onset of Hypertension. *International Journal of Hypertension*, **2019**, 2019, 9248247	2.4	6
124	Anatomical and Functional Computed Tomography for Diagnosing Hemodynamically Significant Coronary Artery Disease: A Meta-Analysis. *JACC: Cardiovascular Imaging*, **2019**, 12, 1316-1325	8.4	55
123	Serum Uric Acid Is Independently Associated with Coronary Calcification in an Asymptomatic Population. *Journal of Cardiovascular Translational Research*, **2019**, 12, 204-210	3.3	16
122	Effect of image reconstruction algorithms on volumetric and radiomic parameters of coronary plaques. *Journal of Cardiovascular Computed Tomography*, **2019**, 13, 325-330	2.8	20
121	Quantitative CT assessment identifies more heart transplanted patients with progressive coronary wall thickening than standard clinical read. *Journal of Cardiovascular Computed Tomography*, **2019**, 13, 128-133	2.8	6
120	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. *Atherosclerosis*, **2018**, 274, 251-257	3.1	12
119	A functionally personalized boundary condition model to improve estimates of fractional flow reserve with CT (CT-FFR). *Medical Physics*, **2018**, 45, 1170-1177	4.4	6
118	Transcatheter mitral valve replacement in mitral annulus calcification - "The art of computer simulation". *Journal of Cardiovascular Computed Tomography*, **2018**, 12, 153-157	2.8	25
117	Cardiac Computed Tomography Radiomics: A Comprehensive Review on Radiomic Techniques. *Journal of Thoracic Imaging*, **2018**, 33, 26-34	5.6	91
116	Image Quality of Prospectively ECG-Triggered Coronary CT Angiography in Heart Transplant Recipients. *American Journal of Roentgenology*, **2018**, 210, 314-319	5.4	7
115	Genetic influence on femoral plaque and its relationship with carotid plaque: an international twin study. *International Journal of Cardiovascular Imaging*, **2018**, 34, 531-541	2.5	3
114	Experience With an On-Site Coronary Computed Tomography-Derived Fractional Flow Reserve Algorithm for the Assessment of Intermediate Coronary Stenoses. *American Journal of Cardiology*, **2018**, 121, 9-13	3	29

113	Assessing genetic and environmental influences on epicardial and abdominal adipose tissue quantities: a classical twin study. *International Journal of Obesity*, **2018**, 42, 163-168	5.5	7
112	Quantitative coronary plaque analysis predicts high-risk plaque morphology on coronary computed tomography angiography: results from the ROMICAT II trial. *International Journal of Cardiovascular Imaging*, **2018**, 34, 311-319	2.5	13
111	The year 2017 in the European Heart Journal-Cardiovascular Imaging: Part I. *European Heart Journal Cardiovascular Imaging*, **2018**, 19, 1099-1106	4.1	3
110	The year 2017 in the European Heart Journal-Cardiovascular Imaging: Part II. *European Heart Journal Cardiovascular Imaging*, **2018**, 19, 1222-1229	4.1	2
109	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). *European Heart Journal*, **2018**, 39, 3715-3723	9.5	77
108	Computational fluid dynamic modelling to determine the hemodynamic effects of implanting a transcatheter mitral valve within the left ventricle. *International Journal of Cardiovascular Imaging*, **2018**, 34, 803-805	2.5	2
107	Role of Multidetector Computed Tomography in Transcatheter Aortic Valve Implantation From Pre-procedural Planning to Detection of Post-procedural Complications. *Journal of Cardiovascular Emergencies*, **2018**, 4, 178-186	0.3	
106	Rationale and design of the worldwide prospective multicenter registry on radiation dose estimates of cardiac CT angiography in daily practice in 2017 (PROTECTION VI). *Journal of Cardiovascular Computed Tomography*, **2018**, 12, 81-85	2.8	10
105	Coronary artery disease reporting and data system (CAD-RADS): Inter-observer agreement for assessment categories and modifiers. *Journal of Cardiovascular Computed Tomography*, **2018**, 12, 125-130	2.8	38
104	CAD-RADS - a new clinical decision support tool for coronary computed tomography angiography. *European Radiology*, **2018**, 28, 1365-1372	8	19
103	Genetic and environmental determinants of longitudinal stability of arterial stiffness and wave reflection: a twin study. *Journal of Hypertension*, **2018**, 36, 2316-2323	1.9	4
102	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	9.5	25
101	Training in cardiac computed tomography: EACVI certification process. *European Heart Journal Cardiovascular Imaging*, **2018**, 19, 123-126	4.1	10
100	EVALUATION OF THE ASSOCIATION BETWEEN THE AGE AT ONSET OF HYPERTENSION AND DIFFERENT AFFECTIVE TEMPERAMENTS. *Journal of Hypertension*, **2018**, 36, e34	1.9	
99	Coronary Computed Tomography Angiography-Specific Definitions of High-Risk Plaque Features Improve Detection of Acute Coronary Syndrome. *Circulation: Cardiovascular Imaging*, **2018**, 11, e007657	3.9	14
98	Genetically determined pattern of left ventricular function in normal and hypertensive hearts. *Journal of Clinical Hypertension*, **2018**, 20, 949-958	2.3	5
97	High-Risk Plaque Regression and Stabilization: Hybrid Noninvasive Morphological and Hemodynamic Assessment. *Circulation: Cardiovascular Imaging*, **2018**, 11, e007888	3.9	1
96	Statin Use Is Associated With Fewer High-Risk Plaques on Coronary CT Angiography. *JACC: Cardiovascular Imaging*, **2017**, 10, 208-210	8.4	3

95	Effect of inversion time on the precision of myocardial late gadolinium enhancement quantification evaluated with synthetic inversion recovery MR imaging. *European Radiology*, **2017**, 27, 3235-3243	8	5
94	Iterative model reconstruction reduces calcified plaque volume in coronary CT angiography. *European Journal of Radiology*, **2017**, 87, 83-89	4.7	16
93	Aortic root dimensions are predominantly determined by genetic factors: a classical twin study. *European Radiology*, **2017**, 27, 2419-2425	8	2
92	CT Images Are Noninferior to Anatomic Specimens in Teaching Cardiac Anatomy-A Randomized Quantitative Study. *Journal of the American College of Radiology*, **2017**, 14, 409-415.e2	3.5	2
91	Improving CCTA-based lesions' hemodynamic significance assessment by accounting for partial volume modeling in automatic coronary lumen segmentation. *Medical Physics*, **2017**, 44, 1040-1049	4.4	16
90	Heritability of the femoral intima media thickness. *European Journal of Internal Medicine*, **2017**, 41, 44-48.	3.9	2
89	The year 2015-16 in the European Heart Journal-Cardiovascular Imaging. Part II. *European Heart Journal Cardiovascular Imaging*, **2017**, 18, 1322-1330	4.1	2
88	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. *BMC Cancer*, **2017**, 17, 612	4.8	5
87	Plaque imaging with CT-a comprehensive review on coronary CT angiography based risk assessment. *Cardiovascular Diagnosis and Therapy*, **2017**, 7, 489-506	2.6	51
86	Structured reporting platform improves CAD-RADS assessment. *Journal of Cardiovascular Computed Tomography*, **2017**, 11, 449-454	2.8	10
85	The years 2015-2016 in the European Heart Journal-Cardiovascular Imaging. Part I. *European Heart Journal Cardiovascular Imaging*, **2017**, 18, 1092-1098	4.1	2
84	Inverse association between hyperthymic affective temperament and coronary atherosclerosis: A coronary computed tomography angiography study. *Journal of Psychosomatic Research*, **2017**, 103, 108-112	4.1	8
83	The effect of four-phasic versus three-phasic contrast media injection protocols on extravasation rate in coronary CT angiography: a randomized controlled trial. *European Radiology*, **2017**, 27, 4538-4543	8	17
82	Computed tomography versus invasive coronary angiography: design and methods of the pragmatic randomised multicentre DISCHARGE trial. *European Radiology*, **2017**, 27, 2957-2968	8	23
81	Thoracic Aortic Strain is Irrelevant Regarding Endograft Sizing in Most Young Patients. *Annals of Vascular Surgery*, **2017**, 38, 227-232	1.7	0
80	Coronary Artery Manifestation of Ormond Disease: The "Mistletoe Sign". *Radiology*, **2017**, 282, 356-360	20.5	5
79	Non-diagnostic coronary artery calcification and stenosis: a correlation of coronary computed tomography angiography and invasive coronary angiography. *Acta Radiologica*, **2017**, 58, 528-536	2	1
78	Radiomic Features Are Superior to Conventional Quantitative Computed Tomographic Metrics to Identify Coronary Plaques With Napkin-Ring Sign. *Circulation: Cardiovascular Imaging*, **2017**, 10,	3.9	102

77	Clinical importance of epicardial adipose tissue. *Archives of Medical Science*, **2017**, 13, 864-874	2.9	64
76	Bilateral Coronary Ostial Stenosis after Bentall Procedure in a Patient with Marfan Syndrome. *Journal of Cardiovascular Emergencies*, **2017**, 3, 193-196	0.3	
75	Learning a Sparse Database for Patch-Based Medical Image Segmentation. *Lecture Notes in Computer Science*, **2017**, 47-54	0.9	1
74	Symptomatic Coronary-Pulmonary Fistula Revealed with Coronary CT Angiography. *Journal of Cardiovascular Emergencies*, **2017**, 3, 89-92	0.3	
73	Editorial. The Closer We Get, The Further Apart We Become. *Journal of Cardiovascular Emergencies*, **2017**, 3, 111-112	0.3	
72	The effect of iterative model reconstruction on coronary artery calcium quantification. *International Journal of Cardiovascular Imaging*, **2016**, 32, 153-60	2.5	32
71	Plaque assessment by coronary CT. *International Journal of Cardiovascular Imaging*, **2016**, 32, 161-72	2.5	21
70	Wellens Syndrome Depicted by Coronary CT Angiography. *Journal of Cardiovascular Emergencies*, **2016**, 2, 185-187	0.3	1
69	Quantifying the effect of side branches in endothelial shear stress estimates. *Atherosclerosis*, **2016**, 251, 213-218	3.1	17
68	Prognostic Value of Coronary Computed Tomography Angiography in Patients With Diabetes: A Meta-analysis. *Diabetes Care*, **2016**, 39, 1274-80	14.6	17
67	Hypertrophic Cardiomyopathy in a Monozygotic Twin Pair: Similarly Different. *Circulation: Cardiovascular Imaging*, **2016**, 9,	3.9	3
66	Bentall procedure: quarter century of clinical experiences of a single surgeon. *Journal of Cardiothoracic Surgery*, **2016**, 11, 19	1.6	7
65	Respiratory gating algorithm helps to reconstruct more accurate electroanatomical maps during atrial fibrillation ablation performed under spontaneous respiration. *Journal of Interventional Cardiac Electrophysiology*, **2016**, 46, 153-9	2.4	1
64	Defining the optimal systolic phase targets using absolute delay time for reconstructions in dual-source coronary CT angiography. *International Journal of Cardiovascular Imaging*, **2016**, 32, 91-100	2.5	4
63	Non-invasive and invasive imaging of vulnerable coronary plaque. *Trends in Cardiovascular Medicine*, **2016**, 26, 538-47	6.9	19
62	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. *Journal of Cardiovascular Computed Tomography*, **2016**, 10, 242-5	2.8	10
61	Cardiac CT Imaging of Plaque Vulnerability: Hype or Hope?. *Current Cardiology Reports*, **2016**, 18, 37	4.2	4
60	State-of-the-Art CT Imaging of the Left Atrium. *Current Radiology Reports*, **2016**, 4, 1	0.5	

59	Coronary Plaque Morphology and the Anti-Inflammatory Impact of Atorvastatin: A Multicenter 18F-Fluorodeoxyglucose Positron Emission Tomographic/Computed Tomographic Study. *Circulation: Cardiovascular Imaging*, **2016**, 9,	3.9	37
58	Comparison of Quantity of Coronary Atherosclerotic Plaques Detected by Computed Tomography Versus Angiography. *American Journal of Cardiology*, **2016**, 117, 1863-7	3	16
57	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. *Journal of Cardiovascular Computed Tomography*, **2015**, 9, 139-45	2.8	13
56	Combined Assessment of High-Sensitivity Troponin T and Noninvasive Coronary Plaque Composition for the Prediction of Cardiac Outcomes. *Radiology*, **2015**, 276, 73-81	20.5	17
55	Multimodality Imaging of Giant Right Coronary Aneurysm and Postsurgical Coronary Artery Inflammation. *Circulation*, **2015**, 132, e1-5	16.7	9
54	Iterative image reconstruction algorithms in coronary CT angiography improve the detection of lipid-core plaque--a comparison with histology. *European Radiology*, **2015**, 25, 15-23	8	23
53	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. *Journal of Cardiovascular Computed Tomography*, **2015**, 9, 538-45	2.8	41
52	Thoracic aortic strain can affect endograft sizing in young patients. *Journal of Vascular Surgery*, **2015**, 62, 1479-84	3.5	6
51	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. *JACC: Cardiovascular Imaging*, **2015**, 8, 1272-1281	8.4	34
50	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). *Clinical Cardiology*, **2015**, 38, 699-707	3.3	16
49	Relationship of thoracic fat depots with coronary atherosclerosis and circulating inflammatory biomarkers. *Obesity*, **2015**, 23, 1178-84	8	25
48	Non-invasive Assessment of Coronary Plaque Morphology. *Current Radiology Reports*, **2015**, 3, 1	0.5	
47	Gene polymorphisms as risk factors for predicting the cardiovascular manifestations in Marfan syndrome. Role of folic acid metabolism enzyme gene polymorphisms in Marfan syndrome. *Thrombosis and Haemostasis*, **2015**, 114, 748-56	7	13
46	2D.05. *Journal of Hypertension*, **2015**, 33, e29	1.9	2
45	Serum lipids and cardiac function correlate with nitrotyrosine and MMP activity in coronary artery disease patients. *European Journal of Clinical Investigation*, **2015**, 45, 692-701	4.6	21
44	Right Ventricular Adaptation Is Associated with the Glu298Asp Variant of the NOS3 Gene in Elite Athletes. *PLoS ONE*, **2015**, 10, e0141680	3.7	5
43	Comprehensive plaque assessment by coronary CT angiography. *Nature Reviews Cardiology*, **2014**, 11, 390-402	14.8	222
42	High Risk Plaque Features on Coronary CT Angiography. *Current Cardiovascular Imaging Reports*, **2014**, 7, 1	0.7	

41	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. *Journal of Cardiovascular Computed Tomography*, **2014**, 8, 442-51	2.8	18
40	Case report of multiple valve disease found in triplets. *Twin Research and Human Genetics*, **2014**, 17, 383-92	2.2	0
39	The effect of iterative image reconstruction algorithms on the feasibility of automated plaque assessment in coronary CT angiography. *International Journal of Cardiovascular Imaging*, **2013**, 29, 1879-88	2.5	13
38	Classification of coronary atherosclerotic plaques ex vivo with T1, T2, and ultrashort echo time CMR. *JACC: Cardiovascular Imaging*, **2013**, 6, 466-74	8.4	13
37	Association of epicardial adipose tissue with cardiovascular risk factors in subjects free from clinical symptoms of coronary artery disease. *European Heart Journal*, **2013**, 34, P721-P721	9.5	
36	Low-dose "step-and-shoot" CT in patients with atrial fibrillation: Is simultaneous assessment of the left atrium and coronary arteries feasible?. *European Heart Journal*, **2013**, 34, P5344-P5344	9.5	
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34	Histogram analysis of lipid-core plaques in coronary computed tomographic angiography: ex vivo validation against histology. *Investigative Radiology*, **2013**, 48, 646-53	10.1	50
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29	Metallic taste after coronary artery stent implantation. *International Journal of Cardiology*, **2012**, 158, e30-1	3.2	
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26	Infarct detection with a comprehensive cardiac CT protocol. *Journal of Cardiovascular Computed Tomography*, **2012**, 6, 14-23	2.8	12
25	The napkin-ring sign indicates advanced atherosclerotic lesions in coronary CT angiography. *JACC: Cardiovascular Imaging*, **2012**, 5, 1243-52	8.4	151
24	Characteristics of High-Risk Plaques as Identified on Coronary Computed Tomography Angiography. *Current Cardiovascular Imaging Reports*, **2012**, 5, 265-273	0.7	

23	Effects of Iterative Reconstruction Technique on Image Quality in Cardiac CT Angiography: Initial Experience. *Journal of Biomedical Graphics and Computing*, **2012**, 2,		1
22	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. *American Journal of Cardiology*, **2012**, 110, 183-9	3	60
21	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. *Radiology*, **2012**, 265, 393-401	20.5	35
20	Prediction model to estimate presence of coronary artery disease: retrospective pooled analysis of existing cohorts. *BMJ, The*, **2012**, 344, e3485	5.9	148
19	Anthropometry of Abdominal Subcutaneous and Visceral Adipose Tissue with Computed Tomography **2012**, 869-880		
18	A comparison of reconstruction and viewing parameters on image quality and accuracy of stress myocardial CT perfusion. *Journal of Cardiovascular Computed Tomography*, **2011**, 5, 459-66	2.8	13
17	Influence of pericoronary adipose tissue on local coronary atherosclerosis as assessed by a novel MDCT volumetric method. *Atherosclerosis*, **2011**, 219, 151-7	3.1	36
16	Complementary value of cardiac FDG PET and CT for the characterization of atherosclerotic disease. *Radiographics*, **2011**, 31, 1255-69	5.4	11
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14	Images in cardiovascular medicine. Double-chambered right ventricle and situs inversus with dextrocardia. *Circulation*, **2010**, 121, e229-32	16.7	4
13	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. *Circulation*, **2010**, 121, 2456-61	16.7	22
12	The napkin-ring sign: CT signature of high-risk coronary plaques?. *JACC: Cardiovascular Imaging*, **2010**, 3, 440-4	8.4	159
11	Multimodality imaging atlas of coronary atherosclerosis. *JACC: Cardiovascular Imaging*, **2010**, 3, 876-80	8.4	15
10	Reproducibility, accuracy, and predictors of accuracy for the detection of coronary atherosclerotic plaque composition by computed tomography: an ex vivo comparison to intravascular ultrasound. *Investigative Radiology*, **2010**, 45, 693-701	10.1	49
9	Coronary CT Angiography for the Detection of Obstructive Coronary Artery Disease. *Current Cardiovascular Imaging Reports*, **2010**, 3, 355-365	0.7	1
8	Determination of coronary in-stent restenosis using dual source computed tomography angiography. *Interventional Medicine & Applied Science*, **2010**, 2, 5-9	0.7	1
7	Methods of plaque quantification and characterization by cardiac computed tomography. *Journal of Cardiovascular Computed Tomography*, **2009**, 3 Suppl 2, S91-8	2.8	12
6	Abdominal visceral and subcutaneous adipose tissue compartments: association with metabolic risk factors in the Framingham Heart Study. *Circulation*, **2007**, 116, 39-48	16.7	1902

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5	Comparison of anthropometric, area- and volume-based assessment of abdominal subcutaneous and visceral adipose tissue volumes using multi-detector computed tomography. *International Journal of Obesity*, **2007**, 31, 500-6	5.5	221
4	Feasibility and optimization of aortic valve planimetry with MDCT. *American Journal of Roentgenology*, **2007**, 188, 356-60	5.4	41
3	Visceral and subcutaneous adipose tissue volumes are cross-sectionally related to markers of inflammation and oxidative stress: the Framingham Heart Study. *Circulation*, **2007**, 116, 1234-41	16.7	665
2	Quantitative parameters of image quality in 64-slice computed tomography angiography of the coronary arteries. *European Journal of Radiology*, **2006**, 57, 373-9	4.7	91
1	Determinants and effects of electrical stimulation of the inferior interatrial parasympathetic plexus during atrial fibrillation. *Journal of Cardiovascular Electrophysiology*, **2005**, 16, 1362-7	2.7	10