

Gianluca Pontone

List of Publications by Year in descending order

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Version: 2024-02-01

433
papers

18,314
citations

20817
60
h-index

20961
115
g-index

441
all docs

441
docs citations

441
times ranked

14662
citing authors

#	ARTICLE	IF	CITATIONS
1	AI Evaluation of Stenosis on Coronary CTA, Comparison With Quantitative Coronary Angiography and Fractional Flow Reserve. JACC: Cardiovascular Imaging, 2023, 16, 193-205.	5.3	46
2	Clinical application of CMR in cardiomyopathies: evolving concepts and techniques. Heart Failure Reviews, 2023, 28, 77-95.	3.9	19
3	Cardiac magnetic resonance for prophylactic implantable-cardioverter defibrillator therapy international study: prognostic value of cardiac magnetic resonance-derived right ventricular parameters substudy. European Heart Journal Cardiovascular Imaging, 2023, 24, 472-482.	1.2	3
4	Associations between dyspnoea, coronary atherosclerosis, and cardiovascular outcomes: results from the long-term follow-up CONFIRM registry. European Heart Journal Cardiovascular Imaging, 2022, 23, 266-274.	1.2	4
5	Acute myocarditis: prognostic role of speckle tracking echocardiography and comparison with cardiac magnetic resonance features. Heart and Vessels, 2022, 37, 121-131.	1.2	9
6	Stress-echocardiography or coronary computed tomography in suspected chronic coronary syndrome after the 2019 European Guidelines? A practical guide. Journal of Cardiovascular Medicine, 2022, 23, 12-21.	1.5	5
7	Impact of coronary calcification assessed by coronary CT angiography on treatment decision in patients with three-vessel CAD: insights from SYNTAX III trial. Interactive Cardiovascular and Thoracic Surgery, 2022, 34, 176-184.	1.1	5
8	Preoperative Ozaki technique measures on tridimensional engineered root. Journal of Cardiovascular Computed Tomography, 2022, 16, 51-53.	1.3	2
9	Trans-lesional fractional flow reserve gradient as derived from coronary CT improves patient management: ADVANCE registry. Journal of Cardiovascular Computed Tomography, 2022, 16, 19-26.	1.3	20
10	Multimodality imaging approach to left ventricular dysfunction in diabetes: an expert consensus document from the European Association of Cardiovascular Imaging. European Heart Journal Cardiovascular Imaging, 2022, 23, e62-e84.	1.2	16
11	Prognostic significance of plaque location in non-obstructive coronary artery disease: from the CONFIRM registry. European Heart Journal Cardiovascular Imaging, 2022, 23, 1240-1247.	1.2	7
12	Comparison of coronary atherosclerotic plaque progression in East Asians and Caucasians by serial coronary computed tomographic angiography: A PARADIGM substudy. Journal of Cardiovascular Computed Tomography, 2022, 16, 222-229.	1.3	1
13	Multi-modality imaging assessment of native valvular regurgitation: an EACVI and ESC council of valvular heart disease position paper. European Heart Journal Cardiovascular Imaging, 2022, 23, e171-e232.	1.2	121
14	Coronary calcium score as a predictor of outcomes in the hypertensive Covid-19 population: results from the Italian (S) Core-Covid-19 Registry. Hypertension Research, 2022, 45, 333-343.	2.7	18
15	Clinical applications of cardiac computed tomography: a consensus paper of the European Association of Cardiovascular Imaging—part II. European Heart Journal Cardiovascular Imaging, 2022, 23, e136-e161.	1.2	21
16	Changing Paradigms in the Diagnosis of Ischemic Heart Disease by Multimodality Imaging. Journal of Clinical Medicine, 2022, 11, 477.	2.4	11
17	Prediction of myocardial blood flow under stress conditions by means of a computational model. European Journal of Nuclear Medicine and Molecular Imaging, 2022, 49, 1894-1905.	6.4	5
18	Recommendations in pre-procedural imaging assessment for transcatheter aortic valve implantation intervention: Italian Society of Cardiology (SIC)–Italian Society of Medical and Interventional Radiology (SIRM) position paper part 1 (Clinical Indication and Basic Technical Aspects, Heart Team.) Tj ETQq0 0 0 r gBT /Overlock 10 Tf	1.5	3

#	ARTICLE	IF	CITATIONS
19	The Role of Multimodality Imaging in Left-Sided Prosthetic Valve Dysfunction. Journal of Cardiovascular Development and Disease, 2022, 9, 12.	1.6	3
20	Current and Future Applications of Artificial Intelligence in Coronary Artery Disease. Healthcare (Switzerland), 2022, 10, 232.	2.0	15
21	Paving the Way for Clinical Implementation of Dynamic CT-Perfusion. JACC: Cardiovascular Imaging, 2022, 15, 88-90.	5.3	1
22	Clinical applications of cardiac computed tomography: a consensus paper of the European Association of Cardiovascular Imaging—part I. European Heart Journal Cardiovascular Imaging, 2022, 23, 299-314.	1.2	27
23	Association of Plaque Location and Vessel Geometry Determined by Coronary Computed Tomographic Angiography With Future Acute Coronary Syndrome—“Causing Culprit Lesions. JAMA Cardiology, 2022, 7, 309.	6.1	13
24	Non-invasive coronary imaging in patients with COVID-19: A narrative review. European Journal of Radiology, 2022, 149, 110188.	2.6	8
25	Coronary volume to left ventricular mass ratio in patients with diabetes mellitus. Journal of Cardiovascular Computed Tomography, 2022, 16, 319-326.	1.3	3
26	Multimodality Imaging in Ischemic Chronic Cardiomyopathy. Journal of Imaging, 2022, 8, 35.	3.0	7
27	Cardiac magnetic resonance mapping for the diagnosis of reverse ventricular Takotsubo cardiomyopathy. European Heart Journal Cardiovascular Imaging, 2022, , .	1.2	1
28	Vessel-specific plaque features on coronary computed tomography angiography among patients of varying atherosclerotic cardiovascular disease risk. European Heart Journal Cardiovascular Imaging, 2022, 23, 1171-1179.	1.2	2
29	The effect of scan and patient parameters on the diagnostic performance of AI for detecting coronary stenosis on coronary CT angiography. Clinical Imaging, 2022, 84, 149-158.	1.5	4
30	Recommendations in pre-procedural imaging assessment for TAVI intervention: SIC-SIRM position paper part 2 (CT and MR angiography, standard medical reporting, future perspectives). Radiologia Medica, 2022, 127, 277-293.	7.7	9
31	OUP accepted manuscript. European Heart Journal Cardiovascular Imaging, 2022, , .	1.2	0
32	The role of cardiac computed tomography in sports cardiology: back to the future!. European Heart Journal Cardiovascular Imaging, 2022, 23, e481-e493.	1.2	4
33	Diagnostic performance of deep learning algorithm for analysis of computed tomography myocardial perfusion. European Journal of Nuclear Medicine and Molecular Imaging, 2022, 49, 3119-3128.	6.4	10
34	Coronary-specific quantification of myocardial deformation by strain echocardiography may disclose the culprit vessel in patients with non-ST-segment elevation acute coronary syndrome. European Heart Journal Open, 2022, 2, .	2.3	7
35	Coronary CTA plaque volume severity stages according to invasive coronary angiography and FFR. Journal of Cardiovascular Computed Tomography, 2022, 16, 415-422.	1.3	15
36	Radiation Doses in Patients Undergoing Computed Tomographic Coronary Artery Calcium Evaluation With a 64-Slice Scanner Versus a 256-Slice Scanner. Texas Heart Institute Journal, 2022, 49, .	0.3	0

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37	Plaque assessment by coronary CT angiography may predict cardiac events in high risk and very high risk diabetic patients: A long-term follow-up study. Nutrition, Metabolism and Cardiovascular Diseases, 2022, 32, 586-595.	2.6	2
38	Reply to: Takotsubo syndrome in a young woman diagnosed by cardiac magnetic imaging: some clarifications may be of value. European Heart Journal Cardiovascular Imaging, 2022, , .	1.2	0
39	Advances in Multimodality Cardiovascular Imaging in the Diagnosis of Heart Failure With Preserved Ejection Fraction. Frontiers in Cardiovascular Medicine, 2022, 9, 758975.	2.4	8
40	The Journal of cardiovascular computed tomography: A year in review 2021. Journal of Cardiovascular Computed Tomography, 2022, , .	1.3	1
41	Computed tomography predictors of structural valve degeneration in patients undergoing transcatheter aortic valve implantation with balloon-expandable prostheses. European Radiology, 2022, 32, 6017-6027.	4.5	6
42	The Role of Cardiac Magnetic Resonance in Aortic Stenosis and Regurgitation. Journal of Cardiovascular Development and Disease, 2022, 9, 108.	1.6	5
43	Live integration of comprehensive cardiac CT with electroanatomical mapping in patients with refractory ventricular tachycardia. Journal of Cardiovascular Computed Tomography, 2022, 16, 262-265.	1.3	4
44	OUP accepted manuscript. European Heart Journal Cardiovascular Imaging, 2022, , .	1.2	0
45	Coronary CTA With AI-QCT Interpretation: Comparison With Myocardial Perfusion Imaging for Detection of Obstructive Stenosis Using Invasive Angiography as Reference Standard. American Journal of Roentgenology, 2022, 219, 407-419.	2.2	14
46	A Comprehensive Assessment of Cardiomyopathies through Cardiovascular Magnetic Resonance: Focus on the Pediatric Population. Diagnostics, 2022, 12, 1022.	2.6	3
47	Relationship Between Coronary Artery Calcium and Atherosclerosis Progression Among Patients With Suspected Coronary Artery Disease. JACC: Cardiovascular Imaging, 2022, 15, 1063-1074.	5.3	20
48	Longitudinal Quantitative Assessment of Coronary Atherosclerotic Plaque Burden Related to Serum Hemoglobin Levels. JACC Asia, 2022, 2, 311-319.	1.5	2
49	The Role of Multimodality Imaging for Percutaneous Coronary Intervention in Patients With Chronic Total Occlusions. Frontiers in Cardiovascular Medicine, 2022, 9, 823091.	2.4	4
50	Appropriateness criteria for the use of cardiac computed tomography, SIC-SIRM part 2: acute chest pain evaluation; stent and coronary artery bypass graft patency evaluation; planning of coronary revascularization and transcatheter valve procedures; cardiomyopathies, electrophysiological applications, cardiac masses, cardio-oncology and pericardial diseases evaluation. Journal of Cardiovascular Medicine, 2022, 23, 290-303.	1.5	5
51	Aspirin and Statin Therapy for Nonobstructive Coronary Artery Disease: Five-year Outcomes from the CONFIRM Registry. Radiology: Cardiothoracic Imaging, 2022, 4, e210225.	2.5	6
52	Age related compositional plaque burden by CT in patients with future ACS. Journal of Cardiovascular Computed Tomography, 2022, 16, 491-497.	1.3	4
53	The Applications of Artificial Intelligence in Cardiovascular Magnetic Resonance—A Comprehensive Review. Journal of Clinical Medicine, 2022, 11, 2866.	2.4	9
54	Role of cardiac <sc>MRI</sc> in the diagnosis of immune checkpoint inhibitor-associated myocarditis. International Journal of Cancer, 2022, 151, 1860-1873.	5.1	19

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55	Association Between Changes in Perivascular Adipose Tissue Density and Plaque Progression. JACC: Cardiovascular Imaging, 2022, 15, 1760-1767.	5.3	19
56	Temporal changes in FFRCT-Guided Management of Coronary Artery Disease – Lessons from the ADVANCE Registry. Journal of Cardiovascular Computed Tomography, 2021, 15, 48-55.	1.3	5
57	Association of high-risk coronary atherosclerosis at CCTA with clinical and circulating biomarkers: Insight from CAPIRE study. Journal of Cardiovascular Computed Tomography, 2021, 15, 73-80.	1.3	16
58	A computational model applied to myocardial perfusion in the human heart: From large coronaries to microvasculature. Journal of Computational Physics, 2021, 424, 109836.	3.8	23
59	Age- and sex-related features of atherosclerosis from coronary computed tomography angiography in patients prior to acute coronary syndrome: results from the ICONIC study. European Heart Journal Cardiovascular Imaging, 2021, 22, 24-33.	1.2	19
60	Multimodality imaging assessment of mitral annular disjunction in mitral valve prolapse. Heart, 2021, 107, 25-32.	2.9	62
61	Impact of age on coronary artery plaque progression and clinical outcome: A PARADIGM substudy. Journal of Cardiovascular Computed Tomography, 2021, 15, 232-239.	1.3	12
62	Role of multimodality imaging in evaluation of cardiovascular involvement in COVID-19. Trends in Cardiovascular Medicine, 2021, 31, 8-16.	4.9	32
63	The Relationship Between Coronary Calcification and the Natural History of Coronary Artery Disease. JACC: Cardiovascular Imaging, 2021, 14, 233-242.	5.3	44
64	Epicardial adipose tissue is associated with extent of pneumonia and adverse outcomes in patients with COVID-19. Metabolism: Clinical and Experimental, 2021, 115, 154436.	3.4	48
65	A patient with rapid worsening dyspnoea during Covid-19 pandemic. European Heart Journal, 2021, 42, 717-718.	2.2	3
66	Chest CT-derived pulmonary artery enlargement at the admission predicts overall survival in COVID-19 patients: insight from 1461 consecutive patients in Italy. European Radiology, 2021, 31, 4031-4041.	4.5	43
67	The clinical utility of FFRCT stratified by age. Journal of Cardiovascular Computed Tomography, 2021, 15, 121-128.	1.3	6
68	T1 mapping and cardiac magnetic resonance feature tracking in mitral valve prolapse. European Radiology, 2021, 31, 1100-1109.	4.5	36
69	2020 ESC Guidelines for the management of acute coronary syndromes in patients presenting without persistent ST-segment elevation. European Heart Journal, 2021, 42, 1289-1367.	2.2	3,048
70	Role of computed tomography in COVID-19. Journal of Cardiovascular Computed Tomography, 2021, 15, 27-36.	1.3	88
71	Response to: 'Size of the shadow'. Heart, 2021, 107, 510.2-511.	2.9	0
72	Incidence and characterization of acute pulmonary embolism in patients with SARS-CoV-2 pneumonia: A multicenter Italian experience. PLoS ONE, 2021, 16, e0245565.	2.5	37

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73	Quantitative Evaluation of COVID-19 Pneumonia Lung Extension by Specific Software and Correlation with Patient Clinical Outcome. <i>Diagnostics</i> , 2021, 11, 265.	2.6	6
74	Appropriate use criteria for cardiovascular magnetic resonance imaging (CMR): SICâ€”SIRM position paper part 1 (ischemic and congenital heart diseases, cardio-oncology, cardiac masses and heart) <i>Tj ETQq0 0 0 rgBT /Overlock</i> 10 Tf 50 6	1.7	10
75	Potential Application of Cardiac Computed Tomography for Early Detection of Coronary Atherosclerosis: From Calcium Score to Advanced Atherosclerosis Analysis. <i>Journal of Clinical Medicine</i> , 2021, 10, 521.	2.4	3
76	Relationship of Stress Test Findings to Anatomic or Functional Extent of Coronary Artery Disease Assessed by Coronary Computed Tomography Angiography-Derived Fractional Flow Reserve. <i>BioMed Research International</i> , 2021, 2021, 1-9.	1.9	0
77	Epicardial fat and coronary artery disease: Role of cardiac imaging. <i>Atherosclerosis</i> , 2021, 321, 30-38.	0.8	54
78	The Journal of Cardiovascular Computed Tomography: 2020 Year in review. <i>Journal of Cardiovascular Computed Tomography</i> , 2021, 15, 180-189.	1.3	9
79	Arrhythmic Mitral Valve Prolapse: Introducing an Era of Multimodality Imaging-Based Diagnosis and Risk Stratification. <i>Diagnostics</i> , 2021, 11, 467.	2.6	16
80	Effects of chronic kidney disease and declining renal function on coronary atherosclerotic plaque progression: a PARADIGM substudy. <i>European Heart Journal Cardiovascular Imaging</i> , 2021, 22, 1072-1082.	1.2	8
81	Prior myocarditis and ventricular arrhythmias: The importance of scar pattern. <i>Heart Rhythm</i> , 2021, 18, 589-596.	0.7	12
82	CarDiac magnEtic Resonance for prophylactic Implantable-cardioVerter defibrillAtor ThErapy in Non-Ischaemic dilated CardioMyopathy: an international Registry. <i>Europace</i> , 2021, 23, 1072-1083.	1.7	37
83	Atherogenic index of plasma and the risk of rapid progression of coronary atherosclerosis beyond traditional risk factors. <i>Atherosclerosis</i> , 2021, 324, 46-51.	0.8	41
84	Multimodality imaging of intramyocardial dissecting haematoma. <i>European Heart Journal Cardiovascular Imaging</i> , 2021, 22, e154-e154.	1.2	0
85	Cardiovascular magnetic resonance: What clinicians should know about safety and contraindications. <i>International Journal of Cardiology</i> , 2021, 331, 322-328.	1.7	16
86	Automated left and right ventricular chamber segmentation in cardiac magnetic resonance images using dense fully convolutional neural network. <i>Computer Methods and Programs in Biomedicine</i> , 2021, 204, 106059.	4.7	31
87	Dissecting haematoma of the interventricular septum. <i>European Heart Journal Cardiovascular Imaging</i> , 2021, 22, e161-e161.	1.2	0
88	SIRMâ€”SIC appropriateness criteria for the use of Cardiac Computed Tomography. Part 1: Congenital heart diseases, primary prevention, risk assessment before surgery, suspected CAD inÂsymptomatic patients, plaque and epicardial adipose tissue characterization, and functional assessment of stenosis. <i>Radiologia Medica</i> , 2021, 126, 1236-1248.	7.7	18
89	Appropriate use criteria for cardiovascular MRI: SIC â€” SIRM position paper Part 2 (myocarditis,) <i>Tj ETQq1 1 0.784314 rgBT /Overlock</i> 1	1.5	9
90	Detection of Mechanical Prosthetic Valve Dysfunction. <i>American Journal of Cardiology</i> , 2021, 150, 101-109.	1.6	5

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91	The hidden interplay between sex and COVID-19 mortality: the role of cardiovascular calcification. <i>GeroScience</i> , 2021, 43, 2215-2229.	4.6	16
92	Impact of clinical and subclinical coronary artery disease as assessed by coronary artery calcium in COVID-19. <i>Atherosclerosis</i> , 2021, 328, 136-143.	0.8	25
93	Progression of whole-heart Atherosclerosis by coronary CT and major adverse cardiovascular events. <i>Journal of Cardiovascular Computed Tomography</i> , 2021, 15, 322-330.	1.3	19
94	Association between Aortic Valve Calcification Progression and Coronary Atherosclerotic Plaque Volume Progression in the PARADIGM Registry. <i>Radiology</i> , 2021, 300, 79-86.	7.3	10
95	Differential progression of coronary atherosclerosis according to plaque composition: a cluster analysis of PARADIGM registry data. <i>Scientific Reports</i> , 2021, 11, 17121.	3.3	11
96	Association of Tube Voltage With Plaque Composition on Coronary CT Angiography. <i>JACC: Cardiovascular Imaging</i> , 2021, 14, 2429-2440.	5.3	15
97	Plaque Character and Progression According to the Location of Coronary Atherosclerotic Plaque. <i>American Journal of Cardiology</i> , 2021, 158, 15-22.	1.6	3
98	Clinical Risk Prediction in Patients With Left Ventricular Myocardial Noncompaction. <i>Journal of the American College of Cardiology</i> , 2021, 78, 643-662.	2.8	40
99	Association of Statin Treatment With Progression of Coronary Atherosclerotic Plaque Composition. <i>JAMA Cardiology</i> , 2021, 6, 1257.	6.1	70
100	Measurement of compensatory arterial remodelling over time with serial coronary computed tomography angiography and 3D metrics. <i>European Heart Journal Cardiovascular Imaging</i> , 2021, , .	1.2	0
101	Feasibility of late gadolinium enhancement (LGE) in ischemic cardiomyopathy using 2D-multisegment LGE combined with artificial intelligence reconstruction deep learning noise reduction algorithm. <i>International Journal of Cardiology</i> , 2021, 343, 164-170.	1.7	17
102	The Potential Role of Cardiac CT in the Evaluation of Patients With Known or Suspected Cardiomyopathy: From Traditional Indications to Novel Clinical Applications. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 709124.	2.4	10
103	Additional diagnostic value of cardiac magnetic resonance feature tracking in patients with biopsy-proven arrhythmogenic cardiomyopathy. <i>International Journal of Cardiology</i> , 2021, 339, 203-210.	1.7	8
104	Coronary and total thoracic calcium scores predict mortality and provides pathophysiologic insights in COVID-19 patients. <i>Journal of Cardiovascular Computed Tomography</i> , 2021, 15, 421-430.	1.3	22
105	State of the art paper: Cardiovascular CT for planning ventricular tachycardia ablation procedures. <i>Journal of Cardiovascular Computed Tomography</i> , 2021, 15, 394-402.	1.3	13
106	Artificial Intelligence Based Multimodality Imaging: A New Frontier in Coronary Artery Disease Management. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 736223.	2.4	8
107	Cardiac Magnetic Resonance Tissue Characterization in Ischemic Cardiomyopathy. <i>Journal of Thoracic Imaging</i> , 2021, Publish Ahead of Print, 2-16.	1.5	11
108	Reduction of cardiac imaging tests during the COVID-19 pandemic: The case of Italy. Findings from the IAEA Non-invasive Cardiology Protocol Survey on COVID-19 (INCAPS COVID). <i>International Journal of Cardiology</i> , 2021, 341, 100-106.	1.7	10

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109	Topological Data Analysis of Coronary Plaques Demonstrates the Natural History of Coronary Atherosclerosis. JACC: Cardiovascular Imaging, 2021, 14, 1410-1421.	5.3	16
110	Stress CMR in Known or Suspected CAD: Diagnostic and Prognostic Role. BioMed Research International, 2021, 2021, 1-12.	1.9	15
111	Magnetic resonance imaging and artificial intelligence. , 2021, , 241-253.		0
112	Comparative differences in the atherosclerotic disease burden between the epicardial coronary arteries: quantitative plaque analysis on coronary computed tomography angiography. European Heart Journal Cardiovascular Imaging, 2021, 22, 322-330.	1.2	11
113	Subclinical leaflet thrombosis after transcatheter aortic valve implantation: no association with left ventricular reverse remodeling at 1-year follow-up. International Journal of Cardiovascular Imaging, 2021, , 1.	1.5	0
114	Stereotactic radioablation for the treatment of ventricular tachycardia: preliminary data and insights from the STRA-MI-VT phase Ib/II study. Journal of Interventional Cardiac Electrophysiology, 2021, 62, 427-439.	1.3	35
115	Risk stratification in cardiomyopathies (dilated, hypertrophic, and arrhythmogenic cardiomyopathy) by cardiac magnetic resonance imaging. European Heart Journal Supplements, 2021, 23, E118-E122.	0.1	8
116	Multimodality imaging of a left circumflex artery to right atrium coronary artery fistula associated with giant aneurysm. European Heart Journal Cardiovascular Imaging, 2021, 22, 20-20.	1.2	2
117	Dynamic Perfusion With CT Angiography. Journal of the American College of Cardiology, 2021, 78, 1950-1953.	2.8	1
118	Use of Advanced CT Technology to Evaluate Left Atrial Indices in Patients with a High Heart Rate or with Heart Rate Variability: The Converge Registry. Journal of Nuclear Medicine Technology, 2021, 49, 65-69.	0.8	1
119	Mid-Diastolic Events (L Events): A Critical Review. Journal of Clinical Medicine, 2021, 10, 5654.	2.4	0
120	Cardiac Care of Non-COVID-19 Patients During the SARS-CoV-2 Pandemic: The Pivotal Role of CCTA. Frontiers in Cardiovascular Medicine, 2021, 8, 775115.	2.4	0
121	Relationship of age, atherosclerosis and angiographic stenosis using artificial intelligence. Open Heart, 2021, 8, e001832.	2.3	5
122	Plaque quantification by coronary computed tomography angiography using intravascular ultrasound as a reference standard: a comparison between standard and last generation computed tomography scanners. European Heart Journal Cardiovascular Imaging, 2020, 21, 191-201.	1.2	26
123	Left-dominant arrhythmogenic cardiomyopathy diagnosed at cardiac CT. Journal of Cardiovascular Computed Tomography, 2020, 14, e7-e8.	1.3	4
124	Anomalous origin of the left circumflex artery from the right coronary sinus with retro-aortic course: A potential malign variant. Journal of Cardiovascular Computed Tomography, 2020, 14, e54-e55.	1.3	3
125	1-Year Impact on Medical Practice and Clinical Outcomes of FFRCT. JACC: Cardiovascular Imaging, 2020, 13, 97-105.	5.3	204
126	Machine learning of clinical variables and coronary artery calcium scoring for the prediction of obstructive coronary artery disease on coronary computed tomography angiography: analysis from the CONFIRM registry. European Heart Journal, 2020, 41, 359-367.	2.2	137

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127	State-of-the-art-myocardial perfusion stress testing: Static CT perfusion. Journal of Cardiovascular Computed Tomography, 2020, 14, 294-302.	1.3	10
128	CT Perfusion Versus Coronary CT Angiography in Patients With Suspected In-Stent Restenosis or CAD Progression. JACC: Cardiovascular Imaging, 2020, 13, 732-742.	5.3	35
129	Interpretability of coronary CT angiography performed with a novel whole-heart coverage high-definition CT scanner in 300 consecutive patients with coronary artery bypass grafts. Journal of Cardiovascular Computed Tomography, 2020, 14, 137-143.	1.3	24
130	Iron deficiency in patients with ST-segment elevation myocardial infarction undergoing primary percutaneous coronary intervention. International Journal of Cardiology, 2020, 300, 14-19.	1.7	20
131	Noncontrast Magnetic Resonance for the Diagnosis of Cardiac Amyloidosis. JACC: Cardiovascular Imaging, 2020, 13, 69-80.	5.3	125
132	CMR for Identifying the Substrate of Ventricular Arrhythmia in Patients With Normal Echocardiography. JACC: Cardiovascular Imaging, 2020, 13, 410-421.	5.3	32
133	Early or deferred cardiovascular magnetic resonance after ST-segment-elevation myocardial infarction for effective risk stratification. European Heart Journal Cardiovascular Imaging, 2020, 21, 632-639.	1.2	14
134	Coronary Plaque Features on CTA Can Identify Patients at Increased Risk of Cardiovascular Events. JACC: Cardiovascular Imaging, 2020, 13, 1704-1717.	5.3	64
135	CT and MR imaging prior to transcatheter aortic valve implantation: standardisation of scanning protocols, measurements and reporting—a consensus document by the European Society of Cardiovascular Radiology (ESCR). European Radiology, 2020, 30, 2627-2650.	4.5	123
136	Understanding Coronary Physiology Through Dynamic CT Perfusion Imaging. JACC: Cardiovascular Imaging, 2020, 13, 977-979.	5.3	1
137	Diagnostic performance of non-invasive imaging for stable coronary artery disease: A meta-analysis. International Journal of Cardiology, 2020, 300, 276-281.	1.7	39
138	Differences in Progression to Obstructive Lesions per High-Risk Plaque Features and Plaque Volumes With CCTA. JACC: Cardiovascular Imaging, 2020, 13, 1409-1417.	5.3	58
139	Identification and Quantification of Cardiovascular Structures From CCTA. JACC: Cardiovascular Imaging, 2020, 13, 1163-1171.	5.3	44
140	Performance of a deep learning algorithm for the evaluation of CAD-RADS classification with CCTA. Atherosclerosis, 2020, 294, 25-32.	0.8	67
141	Multiparametric Echocardiography Scores for the Diagnosis of Cardiac Amyloidosis. JACC: Cardiovascular Imaging, 2020, 13, 909-920.	5.3	136
142	Image Quality and Reliability of a Novel Dark-Blood Late Gadolinium Enhancement Sequence in Ischemic Cardiomyopathy. Journal of Thoracic Imaging, 2020, 35, 326-333.	1.5	7
143	Coronary atherosclerosis scoring with semiquantitative CCTA risk scores for prediction of major adverse cardiac events: Propensity score-based analysis of diabetic and non-diabetic patients. Journal of Cardiovascular Computed Tomography, 2020, 14, 251-257.	1.3	18
144	Quantitative Burden of COVID-19 Pneumonia at Chest CT Predicts Adverse Outcomes: A Post Hoc Analysis of a Prospective International Registry. Radiology: Cardiothoracic Imaging, 2020, 2, e200389.	2.5	32

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145	Sex Differences in Compositional Plaque Volume Progression in Patients With Coronary Artery Disease. JACC: Cardiovascular Imaging, 2020, 13, 2386-2396.	5.3	26
146	Sex Differences in Coronary Computed Tomography Angiographyâ€“Derived Fractional Flow Reserve. JACC: Cardiovascular Imaging, 2020, 13, 2576-2587.	5.3	42
147	Early diagnosis of chemotherapy-induced cardiotoxicity by cardiac MRI. European Journal of Radiology, 2020, 130, 109158.	2.6	21
148	The Authors Reply:. JACC: Cardiovascular Imaging, 2020, 13, 1294-1295.	5.3	1
149	Quantitative assessment of coronary plaque volume change related to triglyceride glucose index: The Progression of AtheRosclerotic PlAque Determined by Computed TomoGraphic Angiography IMaging (PARADIGM) registry. Cardiovascular Diabetology, 2020, 19, 113.	6.8	39
150	Sequential Strategy Including FFRCT Plus Stress-CTP Impacts on Management of Patients with Stable Chest Pain: The Stress-CTP RIPCORDER Study. Journal of Clinical Medicine, 2020, 9, 2147.	2.4	21
151	The Incremental Role of Coronary Computed Tomography in Chronic Coronary Syndromes. Journal of Clinical Medicine, 2020, 9, 3925.	2.4	14
152	Per-lesion versus per-patient analysis of coronary artery disease in predicting the development of obstructive lesions: the Progression of AtheRosclerotic PlAque Determined by Computed TmoGraphic Angiography IMaging (PARADIGM) study. International Journal of Cardiovascular Imaging, 2020, 36, 2357-2364.	1.5	7
153	Current evidence on the diagnostic and prognostic role of native T1 mapping in heart diseases. Trends in Cardiovascular Medicine, 2020, 31, 448-454.	4.9	3
154	Prognostic significance of subtle coronary calcification in patients with zero coronary artery calcium score: From the CONFIRM registry. Atherosclerosis, 2020, 309, 33-38.	0.8	14
155	Association of Cardiovascular Disease Risk Factor Burden With Progression of Coronary Atherosclerosis Assessed by Serial Coronary Computed Tomographic Angiography. JAMA Network Open, 2020, 3, e2011444.	5.9	26
156	A Boosted Ensemble Algorithm for Determination of Plaque Stability in High-Risk Patients on Coronary CTA. JACC: Cardiovascular Imaging, 2020, 13, 2162-2173.	5.3	34
157	Contemporary rationale for non-invasive imaging of adverse coronary plaque features to identify the vulnerable patient:Âa 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.	1.2	29
158	Stress Myocardial Perfusion Imaging vs Coronary Computed Tomographic Angiography for Diagnosis of Invasive Vessel-Specific Coronary Physiology. JAMA Cardiology, 2020, 5, 1338.	6.1	55
159	Multimodality Approach for Endovascular Left Atrial Appendage Closure: Head-To-Head Comparison among 2D and 3D Echocardiography, Angiography, and Computer Tomography. Diagnostics, 2020, 10, 1103.	2.6	4
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