

Marc R Dweck

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

272
papers

10,009
citations

50
h-index

94
g-index

331
ext. papers

14,159
ext. citations

6.2
avg, IF

6.33
L-index

#	Paper	IF	Citations
272	Aortic valve imaging using F-sodium fluoride: impact of triple motion correction.. <i>EJNMMI Physics</i> , 2022 , 9, 4	4.4	0
271	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
270	Association of Lipoprotein(a) With Atherosclerotic Plaque Progression.. <i>Journal of the American College of Cardiology</i> , 2022 , 79, 223-233	15.1	11
269	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
268	MRI and CT coronary angiography in survivors of COVID-19. <i>Heart</i> , 2022 , 108, 46-53	5.1	2
267	Lipoprotein(a) has no major impact on calcification activity in patients with mild to moderate aortic valve stenosis. <i>Heart</i> , 2022 , 108, 61-66	5.1	3
266	Left Ventricular Thrombus Following Acute Myocardial Infarction: JACC State-of-the-Art Review.. <i>Journal of the American College of Cardiology</i> , 2022 , 79, 1010-1022	15.1	2
265	Deep learning-enabled coronary CT angiography for plaque and stenosis quantification and cardiac risk prediction: an international multicentre study.. <i>The Lancet Digital Health</i> , 2022 , 4, e256-e265	14.4	3
264	Response by Kwiecinski et al to Letter Regarding Article, "Native Aortic Valve Disease Progression and Bioprosthetic Valve Degeneration in Patients With Transcatheter Aortic Valve Implantation".. <i>Circulation</i> , 2022 , 145, e809-e810	16.7	
263	Let there be light! The meteoric rise of cardiac imaging.. <i>Heart</i> , 2022 , 108, 780-786	5.1	
262	Computed Tomography Aortic Valve Calcium Scoring in Patients With Bicuspid Aortic Valve Stenosis. <i>Structural Heart</i> , 2022 , 6, 100027	0.6	
261	Hepatosteatosi s and Atherosclerotic Plaque at Coronary CT Angiography.. <i>Radiology: Cardiothoracic Imaging</i> , 2022 , 4, e210260	8.3	1
260	Response by Bing et al to Letter Regarding Article, "Effect of Denosumab or Alendronic Acid on the Progression of Aortic Stenosis: A Double-Blind Randomized Controlled Trial". <i>Circulation</i> , 2021 , 144, e335	16.7	
259	Evaluating Medical Therapy for Calcific Aortic Stenosis: JACC State-of-the-Art Review. <i>Journal of the American College of Cardiology</i> , 2021 , 78, 2354-2376	15.1	3
258	A novel cardiovascular magnetic resonance risk score for predicting mortality following surgical aortic valve replacement. <i>Scientific Reports</i> , 2021 , 11, 20183	4.9	0
257	EACVI survey on the management of patients with patent foramen ovale and cryptogenic stroke. <i>European Heart Journal Cardiovascular Imaging</i> , 2021 , 22, 135-141	4.1	3
256	Prevalence and clinical implications of valvular calcification on coronary computed tomography angiography. <i>European Heart Journal Cardiovascular Imaging</i> , 2021 , 22, 262-270	4.1	6

255	Assessing the qualitative and quantitative impacts of simple two-class vs multiple tissue-class MR-based attenuation correction for cardiac PET/MR. <i>Journal of Nuclear Cardiology</i> , 2021 , 28, 2194-2204 ^{2.1}	4
254	A rare cause of acute ST-elevation myocardial infarction: a case of coronary embolism secondary to calcified bicuspid aortic valve. <i>Revista Romana De Cardiologie</i> , 2021 , 31, 116-121	0.1
253	EACVI recommendations on cardiovascular imaging for the detection of embolic sources: endorsed by the Canadian Society of Echocardiography. <i>European Heart Journal Cardiovascular Imaging</i> , 2021 , 22, e24-e57	4.1 5
252	Off-target effects of oral anticoagulants - vascular effects of vitamin K antagonist and non-vitamin K antagonist oral anticoagulant dabigatran etexilate. <i>Journal of Thrombosis and Haemostasis</i> , 2021 , 19, 1348-1363	15.4 5
251	Position paper of the EACVI and EANM on artificial intelligence applications in multimodality cardiovascular imaging using SPECT/CT, PET/CT, and cardiac CT. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021 , 48, 1399-1413	8.8 11
250	Machine-learning with F-sodium fluoride PET and quantitative plaque analysis on CT angiography for the future risk of myocardial infarction. <i>Journal of Nuclear Medicine</i> , 2021 ,	8.9 7
249	Scan-rescan measurement repeatability of F-FDG PET/MR imaging of vascular inflammation. <i>Journal of Nuclear Cardiology</i> , 2021 , 1	2.1 2
248	Improved identification of abdominal aortic aneurysm using the Kernelized Expectation Maximization algorithm. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2021 , 379, 20200201	3 2
247	EACVI survey on the evaluation of left ventricular diastolic function. <i>European Heart Journal Cardiovascular Imaging</i> , 2021 , 22, 1098-1105	4.1 2
246	Demographic, multi-morbidity and genetic impact on myocardial involvement and its recovery from COVID-19: protocol design of COVID-HEART-a UK, multicentre, observational study. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2021 , 23, 77	6.9 6
245	Effect of Denosumab or Alendronic Acid on the Progression of Aortic Stenosis: A Double-Blind Randomized Controlled Trial. <i>Circulation</i> , 2021 , 143, 2418-2427	16.7 18
244	Multimodality imaging of myocardial viability: an expert consensus document from the European Association of Cardiovascular Imaging (EACVI). <i>European Heart Journal Cardiovascular Imaging</i> , 2021 , 22, e97-e125	4.1 8
243	First-phase ejection fraction by cardiovascular magnetic resonance predicts outcomes in aortic stenosis. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2021 , 23, 73	6.9 0
242	Reproducibility of quantitative plaque measurement in advanced coronary artery disease. <i>Journal of Cardiovascular Computed Tomography</i> , 2021 , 15, 333-338	2.8 6
241	Iterative reconstruction incorporating background correction improves quantification of [F]-NaF PET/CT images of patients with abdominal aortic aneurysm. <i>Journal of Nuclear Cardiology</i> , 2021 , 28, 1875-1886 ⁷	2.1 11
240	Cardiovascular F-fluoride positron emission tomography-magnetic resonance imaging: A comparison study. <i>Journal of Nuclear Cardiology</i> , 2021 , 28, 1-12	2.1 11
239	The EACVI survey on cardiac imaging in cardio-oncology. <i>European Heart Journal Cardiovascular Imaging</i> , 2021 , 22, 367-371	4.1 5
238	Management of asymptomatic severe aortic stenosis: check or all in?. <i>Heart</i> , 2021 , 107, 842-850	5.1 2

237	Diagnostic Applications of Ultrasmall Superparamagnetic Particles of Iron Oxide for Imaging Myocardial and Vascular Inflammation. <i>JACC: Cardiovascular Imaging</i> , 2021 , 14, 1249-1264	8.4	10
236	Detecting native and bioprosthetic aortic valve disease using F-sodium fluoride: Clinical implications. <i>Journal of Nuclear Cardiology</i> , 2021 , 28, 481-491	2.1	1
235	EACVI survey on investigations and imaging modalities in chronic coronary syndromes. <i>European Heart Journal Cardiovascular Imaging</i> , 2021 , 22, 1-7	4.1	3
234	Procedural recommendations of cardiac PET/CT imaging: standardization in inflammatory-, infective-, infiltrative-, and innervation (4Is)-related cardiovascular diseases: a joint collaboration of the EACVI and the EANM. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021 , 48, 1016-1039	8.8	21
233	Quantification of Macrophage-Driven Inflammation During Myocardial Infarction with F-LW223, a Novel TSPO Radiotracer with Binding Independent of the rs6971 Human Polymorphism. <i>Journal of Nuclear Medicine</i> , 2021 , 62, 536-544	8.9	13
232	Clinical Molecular Imaging of Inflammation and Calcification in Atherosclerosis 2021 , 513-530		
231	Quantifying microcalcification activity in the thoracic aorta. <i>Journal of Nuclear Cardiology</i> , 2021 , 1	2.1	6
230	MINOCA: a heterogenous group of conditions associated with myocardial damage. <i>Heart</i> , 2021 , 107, 1458-1464	5.1	2
229	Coronary Computed Tomographic Angiography for Complete Assessment of Coronary Artery Disease: JACC State-of-the-Art Review. <i>Journal of the American College of Cardiology</i> , 2021 , 78, 713-736	15.1	4
228	Pericoronary and periaortic adipose tissue density are associated with inflammatory disease activity in Takayasu arteritis and atherosclerosis. <i>European Heart Journal Open</i> , 2021 , 1, oeab019		1
227	Markers of Myocardial Damage Predict Mortality in Patients With Aortic Stenosis. <i>Journal of the American College of Cardiology</i> , 2021 , 78, 545-558	15.1	7
226	The year 2020 in the European Heart Journal - Cardiovascular Imaging: part I. <i>European Heart Journal Cardiovascular Imaging</i> , 2021 , 22, 1219-1227	4.1	0
225	Categorising myocardial infarction with advanced cardiovascular imaging. <i>Lancet, The</i> , 2021 , 398, e9	4.0	3
224	The Role of SGLT2 Inhibitors in Heart Failure: A Systematic Review and Meta-Analysis. <i>Cardiology Research and Practice</i> , 2021 , 2021, 9927533	1.9	2
223	Native Aortic Valve Disease Progression and Bioprosthetic Valve Degeneration in Patients With Transcatheter Aortic Valve Implantation. <i>Circulation</i> , 2021 , 144, 1396-1408	16.7	9
222	A Machine-Learning Framework to Identify Distinct Phenotypes of Aortic Stenosis Severity. <i>JACC: Cardiovascular Imaging</i> , 2021 , 14, 1707-1720	8.4	5
221	Association of coronary artery calcium score with qualitatively and quantitatively assessed adverse plaque on coronary CT angiography in the SCOT-HEART trial. <i>European Heart Journal Cardiovascular Imaging</i> , 2021 ,	4.1	1
220	Sex-Specific Computed Tomography Coronary Plaque Characterization and Risk of Myocardial Infarction. <i>JACC: Cardiovascular Imaging</i> , 2021 , 14, 1804-1814	8.4	7

219	Imaging aortic valve calcification: significance, approach and implications. <i>Clinical Radiology</i> , 2021 , 76, 15-26	2.9	2
218	Contrast-enhanced computed tomography assessment of aortic stenosis. <i>Heart</i> , 2021 , 107, 1905-1911	5.1	5
217	Coronary F-Fluoride Uptake and Progression of Coronary Artery Calcification. <i>Circulation: Cardiovascular Imaging</i> , 2020 , 13, e011438	3.9	12
216	Effect of the 2017 European Guidelines on Reclassification of Severe Aortic Stenosis and Its Influence on Management Decisions for Initially Asymptomatic Aortic Stenosis. <i>Circulation: Cardiovascular Imaging</i> , 2020 , 13, e011763	3.9	2
215	EACVI survey on the evaluation of infective endocarditis. <i>European Heart Journal Cardiovascular Imaging</i> , 2020 , 21, 828-832	4.1	7
214	The role of cardiovascular imaging for myocardial injury in hospitalized COVID-19 patients. <i>European Heart Journal Cardiovascular Imaging</i> , 2020 , 21, 709-714	4.1	44
213	F-Sodium Fluoride (F-NaF) for Imaging Microcalcification Activity in the Cardiovascular System. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2020 , 40, 1620-1626	9.4	6
212	Determinants and prognostic value of echocardiographic first-phase ejection fraction in aortic stenosis. <i>Heart</i> , 2020 , 106, 1236-1243	5.1	11
211	Exercise Electrocardiography and Computed Tomography Coronary Angiography for Patients With Suspected Stable Angina Pectoris: A Post Hoc Analysis of the Randomized SCOT-HEART Trial. <i>JAMA Cardiology</i> , 2020 , 5, 920-928	16.2	8
210	A model based on clinical parameters to identify myocardial late gadolinium enhancement by magnetic resonance in patients with aortic stenosis: An observational study. <i>JRSM Cardiovascular Disease</i> , 2020 , 9, 2048004020922400	1.1	0
209	Assessment of different quantification metrics of [F]-NaF PET/CT images of patients with abdominal aortic aneurysm. <i>Journal of Nuclear Cardiology</i> , 2020 , 1	2.1	2
208	Coronary F-Sodium Fluoride Uptake Predicts Outcomes in Patients With Coronary Artery Disease. <i>Journal of the American College of Cardiology</i> , 2020 , 75, 3061-3074	15.1	38
207	Global evaluation of echocardiography in patients with COVID-19. <i>European Heart Journal Cardiovascular Imaging</i> , 2020 , 21, 949-958	4.1	176
206	Bone marrow adipose tissue is a unique adipose subtype with distinct roles in glucose homeostasis. <i>Nature Communications</i> , 2020 , 11, 3097	17.4	43
205	18F-SODIUM FLUORIDE CORONARY UPTAKE PREDICTS MYOCARDIAL INFARCTIONS IN PATIENTS WITH KNOWN CORONARY ARTERY DISEASE. <i>Journal of the American College of Cardiology</i> , 2020 , 75, 3667	15.1	4
204	The evaluation of aortic stenosis, how the new guidelines are implemented across Europe: a survey by EACVI. <i>European Heart Journal Cardiovascular Imaging</i> , 2020 , 21, 357-362	4.1	13
203	Comparison of Correction Techniques for the Spill in Effect in Emission Tomography. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , 2020 , 4, 422-432	4.2	5
202	Low-Attenuation Noncalcified Plaque on Coronary Computed Tomography Angiography Predicts Myocardial Infarction: Results From the Multicenter SCOT-HEART Trial (Scottish Computed Tomography of the HEART). <i>Circulation</i> , 2020 , 141, 1452-1462	16.7	105

201	Observer repeatability and interscan reproducibility of ¹⁸ F-sodium fluoride coronary microcalcification activity. <i>Journal of Nuclear Cardiology</i> , 2020 , 1	2.1	6
200	Sex Differences in Valve-Calcification Activity and Calcification Progression in Aortic Stenosis. <i>JACC: Cardiovascular Imaging</i> , 2020 , 13, 2045-2046	8.4	1
199	Respiration-averaged CT versus standard CT attenuation map for correction of F-sodium fluoride uptake in coronary atherosclerotic lesions on hybrid PET/CT. <i>Journal of Nuclear Cardiology</i> , 2020 , 1	2.1	7
198	Sex differences in aortic stenosis: from pathophysiology to treatment. <i>Expert Review of Cardiovascular Therapy</i> , 2020 , 18, 65-76	2.5	10
197	Manganese-enhanced T mapping to quantify myocardial viability: validation with F-fluorodeoxyglucose positron emission tomography. <i>Scientific Reports</i> , 2020 , 10, 2018	4.9	4
196	Extracellular Myocardial Volume in Patients With Aortic Stenosis. <i>Journal of the American College of Cardiology</i> , 2020 , 75, 304-316	15.1	69
195	Validation of European Society of Cardiology pre-test probabilities for obstructive coronary artery disease in suspected stable angina. <i>European Heart Journal Quality of Care & Clinical Outcomes</i> , 2020 , 6, 293-300	4.6	10
194	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
193	Role of advanced left ventricular imaging in adults with aortic stenosis. <i>Heart</i> , 2020 , 106, 962-969	5.1	8
192	Cardiovascular imaging to guide primary prevention. <i>Heart</i> , 2020 , 106, 1267-1275	5.1	1
191	Imaging Cardiovascular Calcification Activity with ¹⁸ F-Fluoride PET. <i>Contemporary Cardiology</i> , 2020 , 423-440	0.1	1
190	The year in cardiology 2019: valvular heart disease. <i>Revista Romana De Cardiologie</i> , 2020 , 30, 205-215	0.1	1
189	Hybrid PET- and MR-driven attenuation correction for enhanced F-NaF and F-FDG quantification in cardiovascular PET/MR imaging. <i>Journal of Nuclear Cardiology</i> , 2020 , 27, 1126-1141	2.1	7
188	Aortic valve stenosis-multimodality assessment with PET/CT and PET/MRI. <i>British Journal of Radiology</i> , 2020 , 93, 20190688	3.4	7
187	Whole-vessel coronary F-sodium fluoride PET for assessment of the global coronary microcalcification burden. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2020 , 47, 1736-1745	8.8	18
186	The year in cardiology: valvular heart disease. <i>European Heart Journal</i> , 2020 , 41, 912-920	9.5	8
185	Pathophysiology of Aortic Stenosis and Future Perspectives for Medical Therapy. <i>Cardiology Clinics</i> , 2020 , 38, 1-12	2.5	14
184	Vulnerable plaque imaging using F-sodium fluoride positron emission tomography. <i>British Journal of Radiology</i> , 2020 , 93, 20190797	3.4	7

183	EACVI survey on standardization of cardiac chambers quantification by transthoracic echocardiography. <i>European Heart Journal Cardiovascular Imaging</i> , 2020 , 21, 119-123	4.1	16
182	Multimodality imaging: Bird's eye view from the European Society of Cardiology Congress 2019 Paris, August 31st-September 4th, 2019. <i>Journal of Nuclear Cardiology</i> , 2020 , 27, 53-61	2.1	2
181	F-Sodium Fluoride Positron Emission Tomography/Computed Tomography in Ex Vivo Human Coronary Arteries With Histological Correlation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2020 , 40, 404-411	9.4	9
180	Response by Williams et al to Letter Regarding Article, "Low-Attenuation Noncalcified Plaque on Coronary Computed Tomography Angiography Predicts Myocardial Infarction: Results From the Multicenter SCOT-HEART Trial (Scottish Computed Tomography of the HEART)". <i>Circulation</i> , 2020 , 142, e244-e245	16.7	5
179	¹⁸ F-fluoride PET/MR in cardiac amyloid: A comparison study with aortic stenosis and age- and sex-matched controls. <i>Journal of Nuclear Cardiology</i> , 2020 , 1	2.1	1
178	Computed tomography aortic valve calcium scoring for the assessment of aortic stenosis progression. <i>Heart</i> , 2020 , 106, 1906-1913	5.1	8
177	Procedural recommendations of cardiac PET/CT imaging: standardization in inflammatory-, infective-, infiltrative-, and innervation- (4Is) related cardiovascular diseases: a joint collaboration of the EACVI and the EANM: Summary. <i>European Heart Journal Cardiovascular Imaging</i> , 2020 , 21, 1320-1330	4.1	10
176	Progression and regression of left ventricular hypertrophy and myocardial fibrosis in a mouse model of hypertension and concomitant cardiomyopathy. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2020 , 22, 57	6.9	8
175	Coronary vasospasm in eosinophilic granulomatosis with polyangiitis. <i>Rheumatology</i> , 2020 , 59, e144-e146	6.9	1
174	Greater aortic inflammation and calcification in abdominal aortic aneurysmal disease than atherosclerosis: a prospective matched cohort study. <i>Open Heart</i> , 2020 , 7, e001141	3	4
173	The Authors' Pre-reply: instantaneous pressure-flow relationships in aortic stenosis. <i>Heart</i> , 2020 , 106, 1778-1779	17.9	1
172	Tricuspid Valve-in-Valve and Bioprosthetic Surgical Tricuspid and Pulmonic Valve Degeneration: Lessons From Imaging and Histopathology. <i>JACC: Cardiovascular Imaging</i> , 2020 , 13, 2680-2682	8.4	
171	Multimodality imaging in takotsubo syndrome: a joint consensus document of the European Association of Cardiovascular Imaging (EACVI) and the Japanese Society of Echocardiography (JSE). <i>European Heart Journal Cardiovascular Imaging</i> , 2020 , 21, 1184-1207	4.1	18
170	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
169	Ex vivo F-fluoride uptake and hydroxyapatite deposition in human coronary atherosclerosis. <i>Scientific Reports</i> , 2020 , 10, 20172	4.9	1
168	Analytical quantification of aortic valve ¹⁸ F-sodium fluoride PET uptake. <i>Journal of Nuclear Cardiology</i> , 2020 , 27, 962-972	2.1	17
167	Vascular Positron Emission Tomography and Restenosis in Symptomatic Peripheral Arterial Disease: A Prospective Clinical Study. <i>JACC: Cardiovascular Imaging</i> , 2020 , 13, 1008-1017	8.4	21
166	Optimization of reconstruction and quantification of motion-corrected coronary PET-CT. <i>Journal of Nuclear Cardiology</i> , 2020 , 27, 494-504	2.1	26

165	Non-invasive in vivo imaging of acute thrombosis: development of a novel factor XIIIa radiotracer. <i>European Heart Journal Cardiovascular Imaging</i> , 2020 , 21, 673-682	4.1	8
164	Mechanisms of mitral annular calcification. <i>Trends in Cardiovascular Medicine</i> , 2020 , 30, 289-295	6.9	16
163	Standardized reporting systems for computed tomography coronary angiography and calcium scoring: A real-world validation of CAD-RADS and CAC-DRS in patients with stable chest pain. <i>Journal of Cardiovascular Computed Tomography</i> , 2020 , 14, 3-11	2.8	13
162	Noninvasive Imaging to Assess Atherosclerotic Plaque Composition and Disease Activity: Coronary and Carotid Applications. <i>JACC: Cardiovascular Imaging</i> , 2020 , 13, 1055-1068	8.4	26
161	Management of Asymptomatic Severe Aortic Stenosis: Evolving Concepts in Timing of Valve Replacement. <i>JACC: Cardiovascular Imaging</i> , 2020 , 13, 481-493	8.4	30
160	Sex-Related Differences in the Extent of Myocardial Fibrosis in Patients With Aortic Valve Stenosis. <i>JACC: Cardiovascular Imaging</i> , 2020 , 13, 699-711	8.4	26
159	Ticagrelor to Reduce Myocardial Injury in Patients With High-Risk Coronary Artery Plaque. <i>JACC: Cardiovascular Imaging</i> , 2020 , 13, 1549-1560	8.4	18
158	Imaging vascular calcification: Where are we headed 2019 , 203-246		
157	Criteria for surveys: from the European Association of Cardiovascular Imaging Scientific Initiatives Committee. <i>European Heart Journal Cardiovascular Imaging</i> , 2019 , 20, 963-966	4.1	12
156	A novel machine learning-derived radiotranscriptomic signature of perivascular fat improves cardiac risk prediction using coronary CT angiography. <i>European Heart Journal</i> , 2019 , 40, 3529-3543	9.5	127
155	Why and How to Measure Aortic Valve Calcification in Patients With Aortic Stenosis. <i>JACC: Cardiovascular Imaging</i> , 2019 , 12, 1835-1848	8.4	57
154	Emerging techniques in atherosclerosis imaging. <i>British Journal of Radiology</i> , 2019 , 92, 20180309	3.4	13
153	Sex differences in left ventricular remodelling, myocardial fibrosis and mortality after aortic valve replacement. <i>Heart</i> , 2019 , 105, 1818-1824	5.1	13
152	Coronary Artery Plaque Characteristics Associated With Adverse Outcomes in the SCOT-HEART Study. <i>Journal of the American College of Cardiology</i> , 2019 , 73, 291-301	15.1	175
151	Cardiac Computed Tomography Certification at Euroecho Imaging 2018. <i>European Heart Journal Cardiovascular Imaging</i> , 2019 , 20, 253-254	4.1	1
150	Imaging and Impact of Myocardial Fibrosis in Aortic Stenosis. <i>JACC: Cardiovascular Imaging</i> , 2019 , 12, 283-296	8.4	79
149	Disease Activity in Mitral Annular Calcification. <i>Circulation: Cardiovascular Imaging</i> , 2019 , 12, e008513	3.9	35
148	Kinetic modelling and quantification bias in small animal PET studies with [18F]AB5186, a novel 18 kDa translocator protein radiotracer. <i>PLoS ONE</i> , 2019 , 14, e0217515	3.7	6

147	Genetic Variation in LPA, Calcific Aortic Valve Stenosis in Patients Undergoing Cardiac Surgery, and Familial Risk of Aortic Valve Microcalcification. <i>JAMA Cardiology</i> , 2019 , 4, 620-627	16.2	17
146	Role of Vascular Smooth Muscle Cell Phenotypic Switching and Calcification in Aortic Aneurysm Formation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2019 , 39, 1351-1368	9.4	92
145	Clinical determinants of plasma cardiac biomarkers in patients with stable chest pain. <i>Heart</i> , 2019 , 105, 1748-1754	5.1	2
144	Advances in Therapies and Imaging for Systemic Vasculitis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2019 , 39, 1520-1541	9.4	14
143	Ga-DOTATATE PET Identifies Residual Myocardial Inflammation and Bone Marrow Activation After Myocardial Infarction. <i>Journal of the American College of Cardiology</i> , 2019 , 73, 2489-2491	15.1	21
142	Left Ventricular Fibrosis in Patients with Aortic Stenosis 2019 , 127-139		
141	Complications and prognosis of patients undergoing apical or septal right ventricular pacing. <i>Open Heart</i> , 2019 , 6, e000962	3	6
140	Lipoprotein(a) and Oxidized Phospholipids Promote Valve Calcification in Patients With Aortic Stenosis. <i>Journal of the American College of Cardiology</i> , 2019 , 73, 2150-2162	15.1	97
139	Lipoprotein(a), Oxidized Phospholipids, and Aortic Valve Microcalcification Assessed by 18F-Sodium Fluoride Positron Emission Tomography and Computed Tomography. <i>CJC Open</i> , 2019 , 1, 131-140	2	17
138	Pericoronary adipose tissue attenuation and coronary artery disease. <i>European Heart Journal Cardiovascular Imaging</i> , 2019 , 20, 644-645	4.1	2
137	F-Fluoride Positron Emission Tomographic Imaging of Penile Arteries and Erectile Dysfunction. <i>Journal of the American College of Cardiology</i> , 2019 , 73, 1386-1394	15.1	8
136	Detection and Prediction of Bioprosthetic Aortic Valve Degeneration. <i>Journal of the American College of Cardiology</i> , 2019 , 73, 1107-1119	15.1	52
135	Rationale and design of the randomized, controlled Early Valve Replacement Guided by Biomarkers of Left Ventricular Decompensation in Asymptomatic Patients with Severe Aortic Stenosis (EVOLVED) trial. <i>American Heart Journal</i> , 2019 , 212, 91-100	4.9	40
134	Triple-gated motion and blood pool clearance corrections improve reproducibility of coronary F-NaF PET. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2019 , 46, 2610-2620	8.8	24
133	Molecular Coronary Plaque Imaging Using F-Fluoride. <i>Circulation: Cardiovascular Imaging</i> , 2019 , 12, e008574	5.4	24
132	The clinical utility of hybrid imaging for the identification of vulnerable plaque and vulnerable patients. <i>Journal of Cardiovascular Computed Tomography</i> , 2019 , 13, 242-247	2.8	2
131	Manganese-enhanced MRI of the myocardium. <i>Heart</i> , 2019 , 105, 1695-1700	5.1	10
130	Assessment of Aortic Stenosis by Cardiac Magnetic Resonance Imaging: Quantification of Flow, Characterization of Myocardial Injury, Transcatheter Aortic Valve Replacement Planning, and More. <i>Magnetic Resonance Imaging Clinics of North America</i> , 2019 , 27, 427-437	1.6	2

129	Guiding Therapy by Coronary CT Angiography Improves Outcomes in Patients With Stable Chest Pain. <i>Journal of the American College of Cardiology</i> , 2019 , 74, 2058-2070	15.1	48
128	Considerations for Clinical Trials Targeting the Myocardial Interstitium. <i>JACC: Cardiovascular Imaging</i> , 2019 , 12, 2319-2331	8.4	5
127	Multimodality Imaging for the Assessment of Severe Aortic Stenosis. <i>Journal of Cardiovascular Imaging</i> , 2019 , 27, 235-246	1.3	5
126	Atherosclerotic Plaque Imaging 2019 , 335-342.e3		
125	Peri-Coronary Adipose Tissue Density Is Associated With F-Sodium Fluoride Coronary Uptake in Stable Patients With High-Risk Plaques. <i>JACC: Cardiovascular Imaging</i> , 2019 , 12, 2000-2010	8.4	63
124	In vivo alpha-V beta-3 integrin expression in human aortic atherosclerosis. <i>Heart</i> , 2019 , 105, 1868-1875	5.1	15
123	Global Longitudinal Strain Analysis Using Cardiac MRI in Aortic Stenosis: Comparison with Left Ventricular Remodeling, Myocardial Fibrosis, and 2-year Clinical Outcomes. <i>Radiology: Cardiothoracic Imaging</i> , 2019 , 1, e190027	8.3	4
122	EACVI survey on multimodality training in ESC countries. <i>European Heart Journal Cardiovascular Imaging</i> , 2019 , 20, 1332-1336	4.1	8
121	Three-Hour Delayed Imaging Improves Assessment of Coronary F-Sodium Fluoride PET. <i>Journal of Nuclear Medicine</i> , 2019 , 60, 530-535	8.9	27
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- 3 Noxious Arousal Induces T Wave Abnormalities in Healthy Subjects. *Scottish Medical Journal*, **2006**, 51, 1-10 1.8 1
- 2 Bone marrow adipose tissue is a unique adipose subtype with distinct roles in systemic glucose homeostasis 2
- 1 The pericardium promotes cardiac repair and remodelling post-myocardial infarction 4