Marc R Dweck

List of Publications by Year
in descending order

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319 papers	16,963 citations	20759 60 h-index	18606 119 g-index
331 all docs	331 docs citations	331 times ranked	14251 citing authors

#	Article	IF	Citations
1	Association of Fibrosis With Mortality and Sudden Cardiac Death in Patients With Nonischemic Dilated Cardiomyopathy. JAMA - Journal of the American Medical Association, 2013, 309, 896.	3.8	908
2	Coronary CT Angiography and 5-Year Risk of Myocardial Infarction. New England Journal of Medicine, 2018, 379, 924-933.	13.9	898
3	18F-fluoride positron emission tomography for identification of ruptured and high-risk coronary atherosclerotic plaques: a prospective clinical trial. Lancet, The, 2014, 383, 705-713.	6.3	804
4	Calcific Aortic Stenosis. Journal of the American College of Cardiology, 2012, 60, 1854-1863.	1.2	513
5	Midwall Fibrosis Is an Independent Predictor of Mortality in Patients With Aortic Stenosis. Journal of the American College of Cardiology, 2011, 58, 1271-1279.	1.2	463
6	Coronary Arterial 18F-Sodium Fluoride Uptake. Journal of the American College of Cardiology, 2012, 59, 1539-1548.	1.2	445
7	Identifying active vascular microcalcification by 18F-sodium fluoride positron emission tomography. Nature Communications, 2015, 6, 7495.	5.8	385
8	Coronary Artery Plaque Characteristics Associated With Adverse Outcomes inÂthe SCOT-HEART Study. Journal of the American College of Cardiology, 2019, 73, 291-301.	1.2	367
9	Low-Attenuation Noncalcified Plaque on Coronary Computed Tomography Angiography Predicts Myocardial Infarction. Circulation, 2020, 141, 1452-1462.	1.6	348
10	Global evaluation of echocardiography in patients with COVID-19. European Heart Journal Cardiovascular Imaging, 2020, 21, 949-958.	0.5	317
11	Calcification in Aortic Stenosis. Journal of the American College of Cardiology, 2015, 66, 561-577.	1.2	288
12	Myocardial Fibrosis and Cardiac Decompensation in Aortic Stenosis. JACC: Cardiovascular Imaging, 2017, 10, 1320-1333.	2.3	280
13	A novel machine learning-derived radiotranscriptomic signature of perivascular fat improves cardiac risk prediction using coronary CT angiography. European Heart Journal, 2019, 40, 3529-3543.	1.0	268
14	Coronary Artery Calcification. JACC: Cardiovascular Imaging, 2017, 10, 582-593.	2.3	265
15	Computed Tomography Aortic Valve Calcium Scoring in Patients With Aortic Stenosis. Circulation: Cardiovascular Imaging, 2018, 11, e007146.	1.3	251
16	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.	0.5	237
17	Imaging Atherosclerosis. Circulation Research, 2016, 118, 750-769.	2.0	215
18	18F-Sodium Fluoride Uptake Is a Marker of Active Calcification and Disease Progression in Patients With Aortic Stenosis. Circulation: Cardiovascular Imaging, 2014, 7, 371-378.	1.3	210

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19	Role of Vascular Smooth Muscle Cell Phenotypic Switching and Calcification in Aortic Aneurysm Formation. Arteriosclerosis, Thrombosis, and Vascular Biology, 2019, 39, 1351-1368.	1.1	203
20	High-sensitivity troponin I concentrations are a marker of an advanced hypertrophic response and adverse outcomes in patients with aortic stenosis. European Heart Journal, 2014, 35, 2312-2321.	1.0	193
21	Lipoprotein(a) and Oxidized Phospholipids Promote Valve Calcification in Patients With AorticÂStenosis. Journal of the American College of Cardiology, 2019, 73, 2150-2162.	1.2	187
22	Left ventricular remodeling and hypertrophy in patients with aortic stenosis: insights from cardiovascular magnetic resonance. Journal of Cardiovascular Magnetic Resonance, 2012, 14, 50.	1.6	185
23	Smooth Muscle Enriched Long Noncoding RNA (SMILR) Regulates Cell Proliferation. Circulation, 2016, 133, 2050-2065.	1.6	182
24	Myocardial Scar and Mortality in Severe Aortic Stenosis. Circulation, 2018, 138, 1935-1947.	1.6	181
25	Imaging and Impact of Myocardial Fibrosis in Aortic Stenosis. JACC: Cardiovascular Imaging, 2019, 12, 283-296.	2.3	161
26	Abdominal Aortic Aneurysm Growth Predicted by Uptake of Ultrasmall Superparamagnetic Particles of Iron Oxide. Circulation: Cardiovascular Imaging, 2011, 4, 274-281.	1.3	153
27	Hybrid Magnetic Resonance Imaging and Positron Emission Tomography With Fluorodeoxyglucose to Diagnose ActiveÂCardiac Sarcoidosis. JACC: Cardiovascular Imaging, 2018, 11, 94-107.	2.3	152
28	Extracellular Myocardial Volume in Patients With Aortic Stenosis. Journal of the American College of Cardiology, 2020, 75, 304-316.	1.2	141
29	Progression of Hypertrophy and Myocardial Fibrosis in Aortic Stenosis. Circulation: Cardiovascular Imaging, 2018, 11, e007451.	1.3	139
30	Why and How to Measure AorticÂValveÂCalcification in PatientsÂWithÂAorticÂStenosis. JACC: Cardiovascular Imaging, 2019, 12, 1835-1848.	2.3	134
31	Aortic stenosis, atherosclerosis, and skeletal bone: is there a common link with calcification and inflammation?. European Heart Journal, 2013, 34, 1567-1574.	1.0	131
32	Peri-Coronary Adipose Tissue Density IsÂAssociated With 18F-Sodium Fluoride Coronary Uptake in Stable Patients WithÂHigh-Risk Plaques. JACC: Cardiovascular Imaging, 2019, 12, 2000-2010.	2.3	129
33	Calcific aortic valve stenosis: hard disease in the heart. European Heart Journal, 2018, 39, 2618-2624.	1.0	127
34	Aortic Wall Inflammation Predicts Abdominal Aortic Aneurysm Expansion, Rupture, and Need for Surgical Repair. Circulation, 2017, 136, 787-797.	1.6	122
35	18Fâ€“Sodium Fluoride Uptake in AbdominalÂAortic Aneurysms. Journal of the American College of Cardiology, 2018, 71, 513-523.	1.2	122
36	Left Ventricular Hypertrophy With Strain and Aortic Stenosis. Circulation, 2014, 130, 1607-1616.	1.6	116

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37	Noninvasive Molecular Imaging of Disease Activity in Atherosclerosis. Circulation Research, 2016, 119, 330-340.	2.0	114
38	Detection and Prediction of BioprostheticÂAortic Valve Degeneration. Journal of the American College of Cardiology, 2019, 73, 1107-1119.	1.2	110
39	Coronary 18F-Sodium Fluoride Uptake Predicts Outcomes in Patients With Coronary Artery Disease. Journal of the American College of Cardiology, 2020, 75, 3061-3074.	1.2	100
40	Guiding Therapy by Coronary CT Angiography Improves Outcomes in Patients With StableÂChest Pain. Journal of the American College of Cardiology, 2019, 74, 2058-2070.	1.2	99
41	Bone marrow adipose tissue is a unique adipose subtype with distinct roles in glucose homeostasis. Nature Communications, 2020, 11, 3097.	5.8	98
42	Optimization and comparison of myocardial T1 techniques at 3T in patients with aortic stenosis. European Heart Journal Cardiovascular Imaging, 2014, 15, 556-565.	0.5	96
43	¹⁸ F-Fluoride Signal Amplification Identifies Microcalcifications Associated With Atherosclerotic Plaque Instability in Positron Emission Tomography/Computed Tomography Images. Circulation: Cardiovascular Imaging, 2019, 12, e007835.	1.3	92
44	Multimodality Imaging in Restrictive Cardiomyopathies: An EACVI expert consensus document In collaboration with the â€œWorking Group on myocardial and pericardial diseasesâ€•of the European Society of Cardiology Endorsed by The Indian Academy of Echocardiography. European Heart Journal Cardiovascular Imaging, 2017, 18, 1090-1121.	0.5	91
45	¹⁸ F-Fluoride and ¹⁸ F-Fluorodeoxyglucose Positron Emission Tomography After Transient Ischemic Attack or Minor Ischemic Stroke. Circulation: Cardiovascular Imaging, 2017, 10, .	1.3	91
46	A clinical risk score of myocardial fibrosis predicts adverse outcomes in aortic stenosis. European Heart Journal, 2016, 37, 713-723.	1.0	90
47	Coronary Artery PET/MR Imaging. JACC: Cardiovascular Imaging, 2017, 10, 1103-1112.	2.3	90
48	Transcatheter Aortic Heart Valves. JACC: Cardiovascular Imaging, 2019, 12, 135-145.	2.3	89
49	Valvular 18F-Fluoride and 18F-Fluorodeoxyglucose Uptake Predict Disease Progression and Clinical Outcome in Patients With Aortic Stenosis. Journal of the American College of Cardiology, 2015, 66, 1200-1201.	1.2	88
50	Deep learning-enabled coronary CT angiography for plaque and stenosis quantification and cardiac risk prediction: an international multicentre study. The Lancet Digital Health, 2022, 4, e256-e265.	5.9	85
51	Cardiac Î±_VÎ²₃integrin expression following acute myocardial infarction in humans. Heart, 2017, 103, 607-615.	1.2	81
52	Motion Correction of ¹⁸F-NaF PET for Imaging Coronary Atherosclerotic Plaques. Journal of Nuclear Medicine, 2016, 57, 54-59.	2.8	74
53	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. American Heart Journal, 2019, 212, 91-100.	1.2	74
54	Systemic Atherosclerotic Inflammation Following Acute Myocardial Infarction: Myocardial Infarction Begets Myocardial Infarction. Journal of the American Heart Association, 2015, 4, e001956.	1.6	69

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55	The role of cardiovascular imaging for myocardial injury in hospitalized COVID-19 patients. European Heart Journal Cardiovascular Imaging, 2020, 21, 709-714.	0.5	69
56	Sex-Related Differences in the Extent of Myocardial Fibrosis in Patients With Aortic Valve Stenosis. JACC: Cardiovascular Imaging, 2020, 13, 699-711.	2.3	67
57	Coronary Computed Tomographic Angiography for Complete Assessment of Coronary Artery Disease. Journal of the American College of Cardiology, 2021, 78, 713-736.	1.2	66
58	Association of Lipoprotein(a) With Atherosclerotic Plaque Progression. Journal of the American College of Cardiology, 2022, 79, 223-233.	1.2	66
59	Management of Asymptomatic SevereÂAortic Stenosis. JACC: Cardiovascular Imaging, 2020, 13, 481-493.	2.3	65
60	Echocardiography Underestimates Stroke Volume and Aortic Valve Area: Implications for Patients With Small-Area Low-Gradient Aortic Stenosis. Canadian Journal of Cardiology, 2014, 30, 1064-1072.	0.8	64
61	MR Imaging of Coronary Arteries and Plaques. JACC: Cardiovascular Imaging, 2016, 9, 306-316.	2.3	64
62	End stage renal diseaseâ€induced hypercalcemia may promote aortic valve calcification via Annexin VI enrichment of valve interstitial cell derivedâ€matrix vesicles. Journal of Cellular Physiology, 2017, 232, 2985-2995.	2.0	64
63	Disease Activity in Mitral Annular Calcification. Circulation: Cardiovascular Imaging, 2019, 12, e008513.	1.3	63
64	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. European Journal of Nuclear Medicine and Molecular Imaging, 2021, 48, 1016-1039.	3.3	62
65	Optimization and Reproducibility of Aortic Valve 18F-Fluoride Positron Emission Tomography in Patients With Aortic Stenosis. Circulation: Cardiovascular Imaging, 2016, 9, .	1.3	61
66	Ablation of the androgen receptor from vascular smooth muscle cells demonstrates a role for testosterone in vascular calcification. Scientific Reports, 2016, 6, 24807.	1.6	61
67	MR/PET Imaging of the CardiovascularÂSystem. JACC: Cardiovascular Imaging, 2017, 10, 1165-1179.	2.3	61
68	Effect of Denosumab or Alendronic Acid on the Progression of Aortic Stenosis: A Double-Blind Randomized Controlled Trial. Circulation, 2021, 143, 2418-2427.	1.6	61
69	18 F-Sodium Fluoride PET/MR for the Assessment of CardiacÂAmyloidosis. Journal of the American College of Cardiology, 2016, 68, 2712-2714.	1.2	59
70	Mechanisms of mitral annular calcification. Trends in Cardiovascular Medicine, 2020, 30, 289-295.	2.3	57
71	Computed Tomography and CardiacÂMagnetic Resonance in IschemicÂHeartÂDisease. Journal of the American College of Cardiology, 2016, 68, 2201-2216.	1.2	56
72	New methods to image unstable atherosclerotic plaques. Atherosclerosis, 2018, 272, 118-128.	0.4	55

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73	Midwall Fibrosis and 5-Year Outcome in Moderate and Severe Aortic Stenosis. Journal of the American College of Cardiology, 2017, 69, 1755-1756.	1.2	54
74	Noninvasive Imaging to Assess Atherosclerotic Plaque Composition andÂDisease Activity. JACC: Cardiovascular Imaging, 2020, 13, 1055-1068.	2.3	54
75	Left Ventricular Thrombus Following Acute Myocardial Infarction. Journal of the American College of Cardiology, 2022, 79, 1010-1022.	1.2	53
76	Role of multidetector computed tomography in the diagnosis and management of patients attending the rapid access chest pain clinic, The Scottish computed tomography of the heart (SCOT-HEART) trial: study protocol for randomized controlled trial. Trials, 2012, 13, 184.	0.7	52
77	Ferumoxytol-enhanced magnetic resonance imaging assessing inflammation after myocardial infarction. Heart, 2017, 103, 1528-1535.	1.2	50
78	Whole-vessel coronary 18F-sodium fluoride PET for assessment of the global coronary microcalcification burden. European Journal of Nuclear Medicine and Molecular Imaging, 2020, 47, 1736-1745.	3.3	50
79	Clinical Utility of Combined FDG-PET/MR to Assess Myocardial Disease. JACC: Cardiovascular Imaging, 2017, 10, 594-597.	2.3	49
80	Imaging of coronary atherosclerosis â€" evolution towards new treatment strategies. Nature Reviews Cardiology, 2016, 13, 533-548.	6.1	47
81	Risk Stratification in Patients With Aortic Stenosis Using Novel Imaging Approaches. Circulation: Cardiovascular Imaging, 2015, 8, e003421.	1.3	46
82	Pericoronary Adipose Tissue Attenuation, Low-Attenuation Plaque Burden, and 5-Year Risk of Myocardial Infarction. JACC: Cardiovascular Imaging, 2022, 15, 1078-1088.	2.3	46
83	Dual-Gated Motion-Frozen Cardiac PET with Flurpiridaz F 18. Journal of Nuclear Medicine, 2015, 56, 1876-1881.	2.8	45
84	Triple-gated motion and blood pool clearance corrections improve reproducibility of coronary 18F-NaF PET. European Journal of Nuclear Medicine and Molecular Imaging, 2019, 46, 2610-2620.	3.3	45
85	Multimodality imaging in takotsubo syndrome: a joint consensus document of the European Association of Cardiovascular Imaging (EACVI) and the Japanese Society of Echocardiography (JSE). European Heart Journal Cardiovascular Imaging, 2020, 21, 1184-1207.	0.5	45
86	Position paper of the EACVI and EANM on artificial intelligence applications in multimodality cardiovascular imaging using SPECT/CT, PET/CT, and cardiac CT. European Journal of Nuclear Medicine and Molecular Imaging, 2021, 48, 1399-1413.	3.3	45
87	Three-Hour Delayed Imaging Improves Assessment of Coronary ¹⁸F-Sodium Fluoride PET. Journal of Nuclear Medicine, 2019, 60, 530-535.	2.8	44
88	Left Ventricular Wall Thickness and the Presence of Asymmetric Hypertrophy in Healthy Young Army Recruits. Circulation: Cardiovascular Imaging, 2013, 6, 262-267.	1.3	43
89	Optimization of reconstruction and quantification of motion-corrected coronary PET-CT. Journal of Nuclear Cardiology, 2020, 27, 494-504.	1.4	43
90	Pathophysiology of Aortic Stenosis and Future Perspectives for Medical Therapy. Cardiology Clinics, 2020, 38, 1-12.	0.9	43

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91	Coronary ¹⁸ F-Fluoride Uptake and Progression of Coronary Artery Calcification. Circulation: Cardiovascular Imaging, 2020, 13, e011438.	1.3	43
92	Evaluating Medical Therapy for Calcific Aortic Stenosis. Journal of the American College of Cardiology, 2021, 78, 2354-2376.	1.2	43
93	Will 18F-Sodium Fluoride PET-CT Imaging Be the Magic Bullet for Identifying Vulnerable Coronary Atherosclerotic Plaques?. Current Cardiology Reports, 2014, 16, 521.	1.3	42
94	Vascular Positron Emission Tomography and Restenosis in Symptomatic Peripheral Arterial Disease. JACC: Cardiovascular Imaging, 2020, 13, 1008-1017.	2.3	42
95	High-Sensitivity Cardiac Troponin I and the Diagnosis of Coronary Artery Disease in Patients With Suspected Angina Pectoris. Circulation: Cardiovascular Quality and Outcomes, 2018, 11, e004227.	0.9	41
96	Diagnostic and prognostic benefits of computed tomography coronary angiography using the 2016 National Institute for Health and Care Excellence guidance within a randomised trial. Heart, 2018, 104, 207-214.	1.2	41
97	Markers of Myocardial Damage Predict Mortality in Patients With Aortic Stenosis. Journal of the American College of Cardiology, 2021, 78, 545-558.	1.2	41
98	Data-Driven Gross Patient Motion Detection and Compensation: Implications for Coronary ¹⁸F-NaF PET Imaging. Journal of Nuclear Medicine, 2019, 60, 830-836.	2.8	39
99	¹⁸ F-Sodium Fluoride (¹⁸ F-NaF) for Imaging Microcalcification Activity in the Cardiovascular System. Arteriosclerosis, Thrombosis, and Vascular Biology, 2020, 40, 1620-1626.	1.1	39
100	A Machine-Learning Framework to Identify Distinct Phenotypes of AorticÂStenosis Severity. JACC: Cardiovascular Imaging, 2021, 14, 1707-1720.	2.3	39
101	Lipoprotein(a), Oxidized Phospholipids, and Aortic Valve Microcalcification Assessed by 18F-Sodium Fluoride Positron Emission Tomography and Computed Tomography. CJC Open, 2019, 1, 131-140.	0.7	38
102	EACVI survey on standardization of cardiac chambers quantification by transthoracic echocardiography. European Heart Journal Cardiovascular Imaging, 2020, 21, 119-123.	0.5	38
103	EACVI recommendations on cardiovascular imaging for the detection of embolic sources: endorsed by the Canadian Society of Echocardiography. European Heart Journal Cardiovascular Imaging, 2021, 22, e24-e57.	0.5	38
104	68Ga-DOTATATE PET Identifies Residual Myocardial Inflammation andÂBone Marrow Activation After Myocardial Infarction. Journal of the American College of Cardiology, 2019, 73, 2489-2491.	1.2	37
105	Correction of respiratory and cardiac motion in cardiac PET/MR using MR-based motion modeling. Physics in Medicine and Biology, 2018, 63, 225011.	1.6	36
106	Feasibility of Coronary ¹⁸ F-Sodium Fluoride Positron-Emission Tomography Assessment With the Utilization of Previously Acquired Computed Tomography Angiography. Circulation: Cardiovascular Imaging, 2018, 11, e008325.	1.3	36
107	Molecular Coronary Plaque Imaging Using ¹⁸ F-Fluoride. Circulation: Cardiovascular Imaging, 2019, 12, e008574.	1.3	36
108	Observer variability in the assessment of CT coronary angiography and coronary artery calcium score: substudy of the Scottish COmputed Tomography of the HEART (SCOT-HEART) trial. Open Heart, 2015, 2, e000234.	0.9	35

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109	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:Âsummary. European Heart Journal Cardiovascular Imaging, 2020, 21, 1320-1330.	0.5	35
110	Exercise Electrocardiography and Computed Tomography Coronary Angiography for Patients With Suspected Stable Angina Pectoris. JAMA Cardiology, 2020, 5, 920.	3.0	34
111	Machine Learning with ¹⁸F-Sodium Fluoride PET and Quantitative Plaque Analysis on CT Angiography for the Future Risk of Myocardial Infarction. Journal of Nuclear Medicine, 2022, 63, 158-165.	2.8	34
112	Genetic Variation in LPA, Calcific Aortic Valve Stenosis in Patients Undergoing Cardiac Surgery, and Familial Risk of Aortic Valve Microcalcification. JAMA Cardiology, 2019, 4, 620.	3.0	32
113	Analytical quantification of aortic valve 18F-sodium fluoride PET uptake. Journal of Nuclear Cardiology, 2020, 27, 962-972.	1.4	32
114	Multimodality imaging of myocardial viability: an expert consensus document from the European Association of Cardiovascular Imaging (EACVI). European Heart Journal Cardiovascular Imaging, 2021, 22, e97-e125.	0.5	32
115	Native Aortic Valve Disease Progression and Bioprosthetic Valve Degeneration in Patients With Transcatheter Aortic Valve Implantation. Circulation, 2021, 144, 1396-1408.	1.6	32
116	Contrast-enhanced computed tomography assessment of aortic stenosis. Heart, 2021, 107, 1905-1911.	1.2	32
117	Coronary Artery and Cardiac Disease in Patients With Type 2 Myocardial Infarction: A Prospective Cohort Study. Circulation, 2022, 145, 1188-1200.	1.6	32
118	Quantitative myocardial perfusion evaluation with positron emission tomography and the risk of cardiovascular events in patients with coronary artery disease: a systematic review of prognostic studies. European Heart Journal Cardiovascular Imaging, 2018, 19, 1179-1187.	0.5	31
119	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. Journal of Cardiovascular Computed Tomography, 2020, 14, 3-11.	0.7	31
120	Quantification of Macrophage-Driven Inflammation During Myocardial Infarction with ¹⁸F-LW223, a Novel TSPO Radiotracer with Binding Independent of the rs6971 Human Polymorphism. Journal of Nuclear Medicine, 2021, 62, 536-544.	2.8	31
121	Emerging techniques in atherosclerosis imaging. British Journal of Radiology, 2019, 92, 20180309.	1.0	30
122	Sex differences in left ventricular remodelling, myocardial fibrosis and mortality after aortic valve replacement. Heart, 2019, 105, 1818-1824.	1.2	30
123	In vivo alpha-V beta-3 integrin expression in human aortic atherosclerosis. Heart, 2019, 105, 1868-1875.	1.2	30
124	Validation of European Society of Cardiology pre-test probabilities for obstructive coronary artery disease in suspected stable angina. European Heart Journal Quality of Care & Clinical Outcomes, 2020, 6, 293-300.	1.8	30
125	Late gadolinium enhancement as a potential marker of increased perioperative risk in aortic valve replacement. Interactive Cardiovascular and Thoracic Surgery, 2012, 15, 45-50.	0.5	29
126	Myocardial inflammation, injury and infarction during on-pump coronary artery bypass graft surgery. Journal of Cardiothoracic Surgery, 2017, 12, 115.	0.4	29

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127	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.	0.5	29
128	Cap inflammation leads to higher plaque cap strain and lower cap stress: An MRI-PET/CT-based FSI modeling approach. Journal of Biomechanics, 2017, 50, 121-129.	0.9	28
129	Sex-Specific Computed Tomography Coronary Plaque Characterization and Risk of Myocardial Infarction. JACC: Cardiovascular Imaging, 2021, 14, 1804-1814.	2.3	28
130	Multimodality imaging in cardiology: a statement on behalf of the Task Force on Multimodality Imaging of the European Association of Cardiovascular Imaging. European Heart Journal, 2019, 40, 553-558.	1.0	27
131	The evaluation of aortic stenosis, how the new guidelines are implemented across Europe: a survey by EACVI. European Heart Journal Cardiovascular Imaging, 2020, 21, 357-362.	0.5	27
132	Clinical applications of cardiac computed tomography: a consensus paper of the European Association of Cardiovascular Imagingâ€"part I. European Heart Journal Cardiovascular Imaging, 2022, 23, 299-314.	0.5	27
133	Thoracic Aortic 18F-Sodium Fluoride Activity and Ischemic Stroke in Patients With Established Cardiovascular Disease. JACC: Cardiovascular Imaging, 2022, 15, 1274-1288.	2.3	27
134	The vulnerable atherosclerotic plaque: in vivo identification and potential therapeutic avenues. Heart, 2015, 101, 1755-1766.	1.2	26
135	Ticagrelor to Reduce Myocardial Injury inÂPatients With High-Risk Coronary Artery Plaque. JACC: Cardiovascular Imaging, 2020, 13, 1549-1560.	2.3	26
136	Observer repeatability and interscan reproducibility of 18F-sodium fluoride coronary microcalcification activity. Journal of Nuclear Cardiology, 2022, 29, 126-135.	1.4	26
137	Computed tomography myocardial perfusion vs 15O-water positron emission tomography and fractional flow reserve. European Radiology, 2017, 27, 1114-1124.	2.3	25
138	Cardiovascular 18F-fluoride positron emission tomography-magnetic resonance imaging: A comparison study. Journal of Nuclear Cardiology, 2021, 28, 1-12.	1.4	25
139	MRI and CT coronary angiography in survivors of COVID-19. Heart, 2022, 108, 46-53.	1.2	25
140	Ferumoxytol-enhanced magnetic resonance imaging in acute myocarditis. Heart, 2018, 104, 300-305.	1.2	24
141	Reproducibility of quantitative plaque measurement in advanced coronary artery disease. Journal of Cardiovascular Computed Tomography, 2021, 15, 333-338.	0.7	24
142	Salt in the wound: (18)F-fluoride positron emission tomography for identification of vulnerable coronary plaques. Cardiovascular Diagnosis and Therapy, 2015, 5, 150-5.	0.7	24
143	Bypass Grafting and Native Coronary Artery Disease Activity. JACC: Cardiovascular Imaging, 2022, 15, 875-887.	2.3	24
144	Markers of left ventricular decompensation in aortic stenosis. Expert Review of Cardiovascular Therapy, 2014, 12, 901-912.	0.6	23

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145	Complementary role of cardiac CT in the assessment of aortic valve replacement dysfunction. Open Heart, 2016, 3, e000494.	0.9	23
146	Motion-Corrected Imaging of the Aortic Valve with ¹⁸F-NaF PET/CT and PET/MRI: A Feasibility Study. Journal of Nuclear Medicine, 2017, 58, 1811-1814.	2.8	23
147	Adverse prognosis associated with asymmetric myocardial thickening in aortic stenosis. European Heart Journal Cardiovascular Imaging, 2018, 19, 347-356.	0.5	23
148	Measurement of myocardial blood flow by cardiovascular magnetic resonance perfusion: comparison of distributed parameter and Fermi models with single and dual bolus. Journal of Cardiovascular Magnetic Resonance, 2015, 17, 17.	1.6	22
149	Bicuspid Aortic Valve Stenosis and the Effect of Vitamin K2 on Calcification Using 18F-Sodium Fluoride Positron Emission Tomography/Magnetic Resonance: The BASIK2 Rationale and Trial Design. Nutrients, 2018, 10, 386.	1.7	22
150	Manganese-enhanced MRI of the myocardium. Heart, 2019, 105, 1695-1700.	1.2	22
151	Vulnerable plaque imaging using ¹⁸F-sodium fluoride positron emission tomography. British Journal of Radiology, 2020, 93, 20190797.	1.0	22
152	Computed tomography aortic valve calcium scoring for the assessment of aortic stenosis progression. Heart, 2020, 106, 1906-1913.	1.2	22
153	Determinants and prognostic value of echocardiographic first-phase ejection fraction in aortic stenosis. Heart, 2020, 106, 1236-1243.	1.2	22
154	The Role of SGLT2 Inhibitors in Heart Failure: A Systematic Review and Meta-Analysis. Cardiology Research and Practice, 2021, 2021, 1-11.	0.5	22
155	Utility of Combining PET and MR Imaging of Carotid Plaque. Neuroimaging Clinics of North America, 2016, 26, 55-68.	0.5	21
156	Criteria for surveys: from the European Association of Cardiovascular Imaging Scientific Initiatives Committee. European Heart Journal Cardiovascular Imaging, 2019, 20, 963-966.	0.5	21
157	Progression and regression of left ventricular hypertrophy and myocardial fibrosis in a mouse model of hypertension and concomitant cardiomyopathy. Journal of Cardiovascular Magnetic Resonance, 2020, 22, 57.	1.6	21
158	Sex differences in aortic stenosis: from pathophysiology to treatment. Expert Review of Cardiovascular Therapy, 2020, 18, 65-76.	0.6	21
159	Quantifying microcalcification activity in the thoracic aorta. Journal of Nuclear Cardiology, 2022, 29, 1372-1385.	1.4	21
160	Association of coronary artery calcium score with qualitatively and quantitatively assessed adverse plaque on coronary CT angiography in the SCOT-HEART trial. European Heart Journal Cardiovascular Imaging, 2022, 23, 1210-1221.	0.5	21
161	Clinical applications of cardiac computed tomography: a consensus paper of the European Association of Cardiovascular Imagingâ€"part II. European Heart Journal Cardiovascular Imaging, 2022, 23, e136-e161.	0.5	21
162	Ferumoxytol-enhanced magnetic resonance imaging methodology and normal values at 1.5 and 3T. Journal of Cardiovascular Magnetic Resonance, 2016, 18, 46.	1.6	20

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163	Advances in Therapies and Imaging for Systemic Vasculitis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2019, 39, 1520-1541.	1.1	19
164	Prevalence and clinical implications of valvular calcification on coronary computed tomography angiography. European Heart Journal Cardiovascular Imaging, 2021, 22, 262-270.	0.5	19
165	The Role of Imaging in Measuring Disease Progression and Assessing Novel Therapies in Aortic Stenosis. JACC: Cardiovascular Imaging, 2019, 12, 185-197.	2.3	18
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