James C Moon

List of Publications by Year
in descending order

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		3525	3911
560	36,786	90	177
papers	citations	h-index	g-index

587	587	587	24423
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nonbiopsy Diagnosis of Cardiac Transthyretin Amyloidosis. Circulation, 2016, 133, 2404-2412.	1.6	1,335
2	Comparison of interstudy reproducibility of cardiovascular magnetic resonance with two-dimensional echocardiography in normal subjects and in patients with heart failure or left ventricular hypertrophy. American Journal of Cardiology, 2002, 90, 29-34.	0.7	1,259
3	Clinical recommendations for cardiovascular magnetic resonance mapping of T1, T2, T2* and extracellular volume: A consensus statement by the Society for Cardiovascular Magnetic Resonance (SCMR) endorsed by the European Association for Cardiovascular Imaging (EACVI). Journal of Cardiovascular Magnetic Resonance, 2017, 19, 75.	1.6	1,074
4	Differentiation of Heart Failure Related to Dilated Cardiomyopathy and Coronary Artery Disease Using Gadolinium-Enhanced Cardiovascular Magnetic Resonance. Circulation, 2003, 108, 54-59.	1.6	1,049
5	Myocardial T1 mapping and extracellular volume quantification: a Society for Cardiovascular Magnetic Resonance (SCMR) and CMR Working Group of the European Society of Cardiology consensus statement. Journal of Cardiovascular Magnetic Resonance, 2013, 15, 92.	1.6	864
6	Cardiovascular Magnetic Resonance in Cardiac Amyloidosis. Circulation, 2005, 111, 186-193.	1.6	863
7	Equilibrium Contrast Cardiovascular Magnetic Resonance for the Measurement of Diffuse Myocardial Fibrosis. Circulation, 2010, 122, 138-144.	1.6	793
8	Proposal for a revised definition of dilated cardiomyopathy, hypokinetic non-dilated cardiomyopathy, and its implications for clinical practice: a position statement of the ESC working group on myocardial and pericardial diseases. European Heart Journal, 2016, 37, 1850-1858.	1.0	757
9	Prognostic Significance of Myocardial Fibrosis in Hypertrophic Cardiomyopathy. Journal of the American College of Cardiology, 2010, 56, 867-874.	1.2	720
10	Toward clinical risk assessment inhypertrophic cardiomyopathy withgadolinium cardiovascular magnetic resonance. Journal of the American College of Cardiology, 2003, 41, 1561-1567.	1.2	707
11	Interstudy reproducibility of right ventricular volumes, function, and mass with cardiovascular magnetic resonance. American Heart Journal, 2004, 147, 218-223.	1.2	686
12	The histologic basis of late gadolinium enhancement cardiovascular magnetic resonance in hypertrophic cardiomyopathy. Journal of the American College of Cardiology, 2004, 43, 2260-2264.	1.2	628
13	Ventricular Fibrosis Suggested by Cardiovascular Magnetic Resonance in Adults With Repaired Tetralogy of Fallot and Its Relationship to Adverse Markers of Clinical Outcome. Circulation, 2006, 113, 405-413.	1.6	536
14	Noncontrast T1 Mapping for the Diagnosis of Cardiac Amyloidosis. JACC: Cardiovascular Imaging, 2013, 6, 488-497.	2.3	517
15	Evaluation of Techniques for the Quantification of Myocardial Scar of Differing Etiology Using Cardiac Magnetic Resonance. JACC: Cardiovascular Imaging, 2011, 4, 150-156.	2.3	514
16	Right ventricular function in adults with repaired tetralogy of Fallot assessed with cardiovascular magnetic resonance imaging. Journal of the American College of Cardiology, 2002, 40, 2044-2052.	1.2	506
17	Prognostic Value of Late Gadolinium Enhancement Cardiovascular Magnetic Resonance in Cardiac Amyloidosis. Circulation, 2015, 132, 1570-1579.	1.6	442
18	Identification and Assessment of Anderson-Fabry Disease by Cardiovascular Magnetic Resonance Noncontrast Myocardial T1 Mapping. Circulation: Cardiovascular Imaging, 2013, 6, 392-398.	1.3	399

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19	Gadolinium enhanced cardiovascular magnetic resonance in Anderson-Fabry disease Evidence for a disease specific abnormality of the myocardial interstitium. European Heart Journal, 2003, 24, 2151-2155.	1.0	397
20	Human non-contrast T1 values and correlation with histology in diffuse fibrosis. Heart, 2013, 99, 932-937.	1.2	390
21	Antibody response to first BNT162b2 dose in previously SARS-CoV-2-infected individuals. Lancet, The, 2021, 397, 1057-1058.	6.3	360
22	Detection of apical hypertrophic cardiomyopathy by cardiovascular magnetic resonance in patients with non-diagnostic echocardiography. British Heart Journal, 2004, 90, 645-649.	2.2	350
23	Native T1 Mapping in Transthyretin Amyloidosis. JACC: Cardiovascular Imaging, 2014, 7, 157-165.	2.3	339
24	Comprehensive Validation of Cardiovascular Magnetic Resonance Techniques for the Assessment of Myocardial Extracellular Volume. Circulation: Cardiovascular Imaging, 2013, 6, 373-383.	1.3	324
25	T1 mapping and survival in systemic light-chain amyloidosis. European Heart Journal, 2015, 36, 244-251.	1.0	310
26	Therapeutic Clearance of Amyloid by Antibodies to Serum Amyloid P Component. New England Journal of Medicine, 2015, 373, 1106-1114.	13.9	304
27	COVID-19: PCR screening of asymptomatic health-care workers at London hospital. Lancet, The, 2020, 395, 1608-1610.	6.3	295
28	Magnetic Resonance in TransthyretinÂCardiac Amyloidosis. Journal of the American College of Cardiology, 2017, 70, 466-477.	1.2	290
29	Prevalence of Subclinical Coronary Artery Disease in Masters Endurance Athletes With a Low Atherosclerotic Risk Profile. Circulation, 2017, 136, 126-137.	1.6	286
30	Prior SARS-CoV-2 infection rescues B and T cell responses to variants after first vaccine dose. Science, 2021, 372, 1418-1423.	6.0	286
31	Pre-existing polymerase-specific T cells expand in abortive seronegative SARS-CoV-2. Nature, 2022, 601, 110-117.	13.7	280
32	Do results of the ENABLE (Endothelin Antagonist Bosentan for Lowering Cardiac Events in Heart) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 2 Journal of Cardiology, 2002, 85, 195-197.	0.8	277
33	Cardiovascular magnetic resonance measurement of myocardial extracellular volume in health and disease. Heart, 2012, 98, 1436-1441.	1.2	276
34	Patterns of myocardial injury in recovered troponin-positive COVID-19 patients assessed by cardiovascular magnetic resonance. European Heart Journal, 2021, 42, 1866-1878.	1.0	274
35	Breath-hold FLASH and FISP Cardiovascular MR Imaging: Left Ventricular Volume Differences and Reproducibility. Radiology, 2002, 223, 789-797.	3.6	270
36	Reverse Myocardial Remodeling FollowingÂValve Replacement in PatientsÂWith Aortic Stenosis. Journal of the American College of Cardiology, 2018, 71, 860-871.	1.2	266

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37	Quantification of Myocardial Extracellular Volume Fraction in Systemic AL Amyloidosis. Circulation: Cardiovascular Imaging, 2013, 6, 34-39.	1.3	261
38	Late Gadolinium Enhancement Cardiovascular Magnetic Resonance of the Systemic Right Ventricle in Adults With Previous Atrial Redirection Surgery for Transposition of the Great Arteries. Circulation, 2005, 111, 2091-2098.	1.6	260
39	T1 Mapping for Myocardial Extracellular Volume Measurement by CMR. JACC: Cardiovascular Imaging, 2013, 6, 955-962.	2.3	245
40	Immune boosting by B.1.1.529 (Omicron) depends on previous SARS-CoV-2 exposure. Science, 2022, 377, .	6.0	241
41	ASNC/AHA/ASE/EANM/HFSA/ISA/SCMR/SNMMI expert consensus recommendations for multimodality imaging in cardiac amyloidosis: Part 1 of 2â€"evidence base and standardized methods of imaging. Journal of Nuclear Cardiology, 2019, 26, 2065-2123.	1.4	230
42	Nanoparticle Drug Delivery Systems Designed to Improve Cancer Vaccines and Immunotherapy. Vaccines, 2015, 3, 662-685.	2.1	225
43	Normal variation of magnetic resonance T1 relaxation times in the human population at 1.5 T using ShMOLLI. Journal of Cardiovascular Magnetic Resonance, 2013, 15, 13.	1.6	216
44	Occult Transthyretin Cardiac Amyloid in Severe Calcific Aortic Stenosis. Circulation: Cardiovascular Imaging, 2016, 9, .	1.3	210
45	Comparison of T1 mapping techniques for ECV quantification. Histological validation and reproducibility of ShMOLLI versus multibreath-hold T1 quantification equilibrium contrast CMR. Journal of Cardiovascular Magnetic Resonance, 2012, 14, 87.	1.6	207
46	Updates in Cardiac Amyloidosis: A Review. Journal of the American Heart Association, 2012, 1, e000364.	1.6	204
47	Subclinical myocardial inflammation and diffuse fibrosis are common in systemic sclerosis â€“ a clinical study using myocardial T1-mapping and extracellular volume quantification. Journal of Cardiovascular Magnetic Resonance, 2014, 16, 21.	1.6	200
48	Microfluidic alignment of collagen fibers for in vitro cell culture. Biomedical Microdevices, 2006, 8, 35-41.	1.4	199
49	Remote Ischemic Conditioning Reduces Myocardial Infarct Size and Edema in Patients With ST-Segment Elevation Myocardial Infarction. JACC: Cardiovascular Interventions, 2015, 8, 178-188.	1.1	199
50	Clinical significance of respiratory bronchiolitis on open lung biopsy and its relationship to smoking related interstitial lung disease. Thorax, 1999, 54, 1009-1014.	2.7	196
51	Prevalence and Outcomes of Concomitant Aortic Stenosis and CardiacÂAmyloidosis. Journal of the American College of Cardiology, 2021, 77, 128-139.	1.2	187
52	Myocardial Scar and Mortality in Severe Aortic Stenosis. Circulation, 2018, 138, 1935-1947.	1.6	181
53	Reappraising myocardial fibrosis in severe aortic stenosis: an invasive and non-invasive study in 133 patients. European Heart Journal, 2018, 39, 699-709.	1.0	178
54	The Relationship of Left Ventricular Trabeculation to Ventricular Function and Structure Over a 9.5-Year Follow-Up. Journal of the American College of Cardiology, 2014, 64, 1971-1980.	1.2	176

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55	Myocardial Fibrosis Quantified by Extracellular Volume Is Associated With Subsequent Hospitalization for Heart Failure, Death, or Both Across the Spectrum of Ejection Fraction and Heart Failure Stage. Journal of the American Heart Association, 2015, 4, .	1.6	174
56	Native T1 and Extracellular Volume inÂTransthyretin Amyloidosis. JACC: Cardiovascular Imaging, 2019, 12, 810-819.	2.3	172
57	Discordant neutralizing antibody and T cell responses in asymptomatic and mild SARS-CoV-2 infection. Science Immunology, 2020, 5, .	5.6	172
58	The Pathologic Basis of Q-Wave and Non-Q-Wave Myocardial Infarction. Journal of the American College of Cardiology, 2004, 44, 554-560.	1.2	167
59	Quantification of left ventricular trabeculae using fractal analysis. Journal of Cardiovascular Magnetic Resonance, 2013, 15, 36.	1.6	167
60	The Histological Basis of Late Gadolinium Enhancement Cardiovascular Magnetic Resonance in a Patient with Anderson-Fabry Disease. Journal of Cardiovascular Magnetic Resonance, 2006, 8, 479-482.	1.6	163
61	Diffuse myocardial fibrosis in severe aortic stenosis: an equilibrium contrast cardiovascular magnetic resonance study. European Heart Journal Cardiovascular Imaging, 2012, 13, 819-826.	0.5	161
62	Reproducibility of native myocardial T1 mapping in the assessment of Fabry disease and its role in early detection of cardiac involvement by cardiovascular magnetic resonance. Journal of Cardiovascular Magnetic Resonance, 2014, 16, 99.	1.6	154
63	Differential Myocyte Responses in Patients with Cardiac Transthyretin Amyloidosis and Light-Chain Amyloidosis: A Cardiac MR Imaging Study. Radiology, 2015, 277, 388-397.	3.6	146
64	Myocardial Edema and Prognosis inÂAmyloidosis. Journal of the American College of Cardiology, 2018, 71, 2919-2931.	1.2	145
65	Role of late gadolinium enhancement cardiovascular magnetic resonance in the risk stratification of hypertrophic cardiomyopathy. Heart, 2014, 100, 1851-1858.	1.2	144
66	Extracellular Myocardial Volume in Patients With Aortic Stenosis. Journal of the American College of Cardiology, 2020, 75, 304-316.	1.2	141
67	Measurement of Myocardial Extracellular Volume Fraction by Using Equilibrium Contrast-enhanced CT: Validation against Histologic Findings. Radiology, 2013, 269, 396-403.	3.6	140
68	Automated Pixel-Wise Quantitative Myocardial Perfusion Mapping by CMRÂtoÂDetect Obstructive Coronary Artery Disease and Coronary Microvascular Dysfunction. JACC: Cardiovascular Imaging, 2019, 12, 1958-1969.	2.3	140
69	Noncontrast myocardial T₁ mapping using cardiovascular magnetic resonance for iron overload. Journal of Magnetic Resonance Imaging, 2015, 41, 1505-1511.	1.9	139
70	A medical device-grade T1 and ECV phantom for global T1 mapping quality assuranceâ€"the T1 Mapping and ECV Standardization in cardiovascular magnetic resonance (T1MES) program. Journal of Cardiovascular Magnetic Resonance, 2016, 18, 58.	1.6	134
71	Prevalence and outcome of dual aortic stenosis and cardiac amyloid pathologyÂin patients referred for transcatheter aortic valve implantation. European Heart Journal, 2020, 41, 2759-2767.	1.0	128
72	Automatic Measurement of the MyocardialÂInterstitium. JACC: Cardiovascular Imaging, 2016, 9, 54-63.	2.3	127

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73	COVID-19. Circulation, 2020, 142, 1120-1122.	1.6	126
74	Noncontrast Magnetic Resonance for theÂDiagnosis of Cardiac Amyloidosis. JACC: Cardiovascular Imaging, 2020, 13, 69-80.	2.3	125
75	Frequency and clinical expression of cardiac troponin I mutations in 748 consecutive families with hypertrophic cardiomyopathy. Journal of the American College of Cardiology, 2004, 44, 2315-2325.	1.2	124
76	Cardiovascular magnetic resonance for amyloidosis. Heart Failure Reviews, 2015, 20, 133-144.	1.7	120
77	Residual Myocardial Iron Following Intramyocardial Hemorrhage During the Convalescent Phase of Reperfused ST-Segmentâ€“Elevation Myocardial Infarction and Adverse Left Ventricular Remodeling. Circulation: Cardiovascular Imaging, 2016, 9, .	1.3	120
78	Lamin and the heart. Heart, 2018, 104, 468-479.	1.2	113
79	Cardiac Structural and Functional Consequences of Amyloid Deposition byÂCardiac Magnetic Resonance andÂEchocardiography and TheirÂPrognosticÂRoles. JACC: Cardiovascular Imaging, 2019, 12, 823-833.	2.3	113
80	Reduction in CMR Derived Extracellular Volume With Patisiran Indicates Cardiac Amyloid Regression. JACC: Cardiovascular Imaging, 2021, 14, 189-199.	2.3	113
81	Prevalence of Cardiac Amyloidosis in Patients Referred for Transcatheter Aortic Valve Replacement. Journal of the American College of Cardiology, 2018, 71, 463-464.	1.2	111
82	Prospective Case-Control Study of Cardiovascular Abnormalities 6ÂMonthsÂFollowing Mild COVID-19 inÂHealthcare Workers. JACC: Cardiovascular Imaging, 2021, 14, 2155-2166.	2.3	111
83	Update on hypertrophic cardiomyopathy and a guide to the guidelines. Nature Reviews Cardiology, 2016, 13, 651-675.	6.1	110
84	Cardiac Involvement in Fabry Disease. Journal of the American College of Cardiology, 2021, 77, 922-936.	1.2	109
85	Extracellular volume quantification by dynamic equilibrium cardiac computed tomography in cardiac amyloidosis. Journal of Cardiovascular Computed Tomography, 2015, 9, 585-592.	0.7	108
86	Echocardiographic phenotype and prognosis in transthyretin cardiac amyloidosis. European Heart Journal, 2020, 41, 1439-1447.	1.0	108
87	ASNC/AHA/ASE/EANM/HFSA/ISA/SCMR/SNMMI Expert Consensus Recommendations for Multimodality Imaging in Cardiac Amyloidosis: Part 1 of 2â€”Evidence Base and Standardized Methods of Imaging. Journal of Cardiac Failure, 2019, 25, e1-e39.	0.7	107
88	Prior infection with SARS-CoV-2 boosts and broadens Ad26.COV2.S immunogenicity in a variant-dependent manner. Cell Host and Microbe, 2021, 29, 1611-1619.e5.	5.1	106
89	The Prognostic Significance of Quantitative Myocardial Perfusion: An Artificial Intelligence Based Approach Using Perfusion Mapping. Circulation, 2020, 141, 1282-1291.	1.6	100
90	T1 mapping in cardiac MRI. Heart Failure Reviews, 2017, 22, 415-430.	1.7	97

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91	ASNC/AHA/ASE/EANM/HFSA/ISA/SCMR/SNMMI expert consensus recommendations for multimodality imaging in cardiac amyloidosis: Part 2 of 2â€"Diagnostic criteria and appropriate utilization. Journal of Nuclear Cardiology, 2020, 27, 659-673.	1.4	97
92	Repeat doses of antibody to serum amyloid P component clear amyloid deposits in patients with systemic amyloidosis. Science Translational Medicine, 2018, 10, .	5.8	94
93	Proposed Stages of Myocardial Phenotype Development in FabryÂDisease. JACC: Cardiovascular Imaging, 2019, 12, 1673-1683.	2.3	91
94	Heterologous infection and vaccination shapes immunity against SARS-CoV-2 variants. Science, 2022, 375, 183-192.	6.0	91
95	CMR-Verified Regression of Cardiac AL Amyloid After Chemotherapy. JACC: Cardiovascular Imaging, 2018, 11, 152-154.	2.3	90
96	Dilated cardiomyopathy and arrhythmogenic left ventricular cardiomyopathy: a comprehensive genotype-imaging phenotype study. European Heart Journal Cardiovascular Imaging, 2020, 21, 326-336.	0.5	90
97	Global longitudinal strain is associated with heart failure outcomes in hypertrophic cardiomyopathy. Heart, 2016, 102, 741-747.	1.2	88
98	Effect of Low-Dose Intracoronary Alteplase During Primary Percutaneous Coronary Intervention on Microvascular Obstruction in Patients With Acute Myocardial Infarction. JAMA - Journal of the American Medical Association, 2019, 321, 56.	3.8	88
99	Myocardial late gadolinium enhancement cardiovascular magnetic resonance in hypertrophic cardiomyopathy caused by mutations in troponin I. Heart, 2005, 91, 1036-1040.	1.2	87
100	Characterising the myocardial interstitial space: the clinical relevance of non-invasive imaging. Heart, 2012, 98, 773-779.	1.2	86
101	Sex Dimorphism in the MyocardialÂResponse to Aortic Stenosis. JACC: Cardiovascular Imaging, 2018, 11, 962-973.	2.3	85
102	Myocardial Extracellular Volume Quantification by Cardiovascular Magnetic Resonance and Computed Tomography. Current Cardiology Reports, 2018, 20, 15.	1.3	83
103	Prediction of Sarcomere Mutations in Subclinical Hypertrophic Cardiomyopathy. Circulation: Cardiovascular Imaging, 2014, 7, 863-871.	1.3	80
104	Ventricular arrhythmia and sudden cardiac death in Fabry disease: a systematic review of risk factors in clinical practice. Europace, 2018, 20, f153-f161.	0.7	80
105	Extracellular volume quantification in isolated hypertension - changes at the detectable limits?. Journal of Cardiovascular Magnetic Resonance, 2015, 17, 74.	1.6	79
106	Cardiac Fabry Disease With Late Gadolinium Enhancement Is a Chronic Inflammatory Cardiomyopathy. Journal of the American College of Cardiology, 2016, 68, 1707-1708.	1.2	78
107	Myocardial native T1 and extracellular volume with healthy ageing and gender. European Heart Journal Cardiovascular Imaging, 2018, 19, 615-621.	0.5	78
108	Equilibrium Contrast-enhanced CT Imaging to Evaluate Hepatic Fibrosis: Initial Validation by Comparison with Histopathologic Sampling. Radiology, 2015, 275, 136-143.	3.6	77

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109	Splenic Switch-off: A Tool to Assess Stress Adequacy in Adenosine Perfusion Cardiac MR Imaging. Radiology, 2015, 276, 732-740.	3.6	75
110	A Multicenter, Scan-Rescan, Human and Machine Learning CMR Study to Test Generalizability and Precision in Imaging Biomarker Analysis. Circulation: Cardiovascular Imaging, 2019, 12, e009214.	1.3	75
111	Abnormal Cardiac Formation in Hypertrophic Cardiomyopathy. Circulation: Cardiovascular Genetics, 2014, 7, 241-248.	5.1	74
112	Myocardial Amyloidosis. JACC: Cardiovascular Imaging, 2019, 12, 2345-2356.	2.3	74
113	Improving the Generalizability of Convolutional Neural Network-Based Segmentation on CMR Images. Frontiers in Cardiovascular Medicine, 2020, 7, 105.	1.1	74
114	Apical Hypertrophic Cardiomyopathy: The Variant Less Known. Journal of the American Heart Association, 2020, 9, e015294.	1.6	72
115	Myocardial contrast echocardiography accurately reflects transmurality of myocardial necrosis and predicts contractile reserve after acute myocardial infarction. American Heart Journal, 2005, 149, 355-362.	1.2	71
116	T1 mapping and T2 mapping at 3T for quantifying the area-at-risk in reperfused STEMI patients. Journal of Cardiovascular Magnetic Resonance, 2015, 17, 73.	1.6	70
117	ASNC/AHA/ASE/EANM/HFSA/ISA/SCMR/SNMMI Expert Consensus Recommendations for Multimodality Imaging in Cardiac Amyloidosis: Part 2 of 2â€"Diagnostic Criteria and Appropriate Utilization. Journal of Cardiac Failure, 2019, 25, 854-865.	0.7	70
118	Myocardial T1 Mapping. Circulation Journal, 2015, 79, 487-494.	0.7	69
119	The "OBS" chart: an evidence based approach to re-design of the patient observation chart in a district general hospital setting. Postgraduate Medical Journal, 2005, 81, 663-666.	0.9	68
120	Extracellular Volume Associates WithÂOutcomes More Strongly Than Native or Post-Contrast Myocardial T1. JACC: Cardiovascular Imaging, 2020, 13, 44-54.	2.3	68
121	Cationic liposomes promote antigen cross-presentation in dendritic cells by alkalizing the lysosomal pH and limiting the degradation of antigens. International Journal of Nanomedicine, 2017, Volume 12, 1251-1264.	3.3	67
122	Clinical Importance of Left Atrial Infiltration in Cardiac TransthyretinÂAmyloidosis. JACC: Cardiovascular Imaging, 2022, 15, 17-29.	2.3	67
123	Effect of erythropoietin as an adjunct to primary percutaneous coronary intervention: a randomised controlled clinical trial. Heart, 2011, 97, 1560-1565.	1.2	66
124	Distance regularized two level sets for segmentation of left and right ventricles from cine-MRI. Magnetic Resonance Imaging, 2016, 34, 699-706.	1.0	66
125	Clefts Can Be Seen in the Basal Inferior Wall of the Left Ventricle and the Interventricular Septum in Healthy Volunteers as Well as Patients by Cardiovascular Magnetic Resonance. Journal of the American College of Cardiology, 2007, 50, 1294-1295.	1.2	65
126	Diffuse myocardial fibrosis in the systemic right ventricle of patients late after Mustard or Senning surgery: an equilibrium contrast cardiovascular magnetic resonance study. European Heart Journal Cardiovascular Imaging, 2013, 14, 963-968.	0.5	65

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127	High Prevalence of Intracardiac Thrombi in Cardiac Amyloidosis. Journal of the American College of Cardiology, 2019, 73, 1733-1734.	1.2	65
128	Identifying Cardiac Amyloid in Aortic Stenosis. JACC: Cardiovascular Imaging, 2020, 13, 2177-2189.	2.3	65
129	Dark blood late enhancement imaging. Journal of Cardiovascular Magnetic Resonance, 2016, 18, 77.	1.6	64
130	The fractal heart â€" embracing mathematics in the cardiology clinic. Nature Reviews Cardiology, 2017, 14, 56-64.	6.1	63
131	Measurement of Myocardial Extracellular Volume Fraction by Using Equilibrium Contrast-enhanced CT: Validation against Histologic Findings. Radiology, 2013, 269, 396-403.	3.6	63
132	Cardiac MRI evaluation of myocardial disease. Heart, 2016, 102, 1429-1435.	1.2	62
133	DPD Quantification in CardiacÂAmyloidosis. JACC: Cardiovascular Imaging, 2020, 13, 1353-1363.	2.3	61
134	Time series analysis and mechanistic modelling of heterogeneity and sero-reversion in antibody responses to mild SARSâ€'CoV-2 infection. EBioMedicine, 2021, 65, 103259.	2.7	61
135	Cardiac Phenotype of Prehypertrophic Fabry Disease. Circulation: Cardiovascular Imaging, 2018, 11, e007168.	1.3	58
136	Diagnosis and risk stratification in hypertrophic cardiomyopathy using machine learning wall thickness measurement: a comparison with human test-retest performance. The Lancet Digital Health, 2021, 3, e20-e28.	5.9	57
137	Evaluating access to health and care services during lockdown by the COVID-19 survey in five UK national longitudinal studies. BMJ Open, 2021, 11, e045813.	0.8	57
138	Diagnosis of apical hypertrophic cardiomyopathy: T-wave inversion and relative but not absolute apical left ventricular hypertrophy. International Journal of Cardiology, 2015, 183, 143-148.	0.8	55
139	Defining left ventricular remodeling following acute ST-segment elevation myocardial infarction using cardiovascular magnetic resonance. Journal of Cardiovascular Magnetic Resonance, 2016, 19, 26.	1.6	55
140	Quantifying the Area at Risk in Reperfused ST-Segmentâ€"Elevation Myocardial Infarction Patients Using Hybrid Cardiac Positron Emission Tomographyâ€"Magnetic Resonance Imaging. Circulation: Cardiovascular Imaging, 2016, 9, e003900.	1.3	54
141	Fully automated, inline quantification of myocardial blood flow with cardiovascular magnetic resonance: repeatability of measurements in healthy subjects. Journal of Cardiovascular Magnetic Resonance, 2018, 20, 48.	1.6	54
142	Novel imaging techniques for diffuse myocardial fibrosis. Future Cardiology, 2011, 7, 643-650.	0.5	52
143	Left Atrial Structure in Relationship to Age, Sex, Ethnicity, and Cardiovascular Risk Factors. Circulation: Cardiovascular Imaging, 2017, 10, .	1.3	52
144	Blood transcriptional biomarkers of acute viral infection for detection of pre-symptomatic SARS-CoV-2 infection: a nested, case-control diagnostic accuracy study. Lancet Microbe, The, 2021, 2, e508-e517.	3.4	52

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145	Role of T1 mapping as a complementary tool to T2* for non-invasive cardiac iron overload assessment. PLoS ONE, 2018, 13, e0192890.	1.1	51
146	Switching statins. BMJ: British Medical Journal, 2006, 332, 1344-1345.	2.4	50
147	Fractal Analysis of Myocardial Trabeculations in 2547 Study Participants: Multi-Ethnic Study of Atherosclerosis. Radiology, 2015, 277, 707-715.	3.6	50
148	Morphogenesis of myocardial trabeculae in the mouse embryo. Journal of Anatomy, 2016, 229, 314-325.	0.9	50
149	Dynamic Computed Tomography Myocardial Perfusion Imaging. Circulation: Cardiovascular Imaging, 2017, 10, .	1.3	50
150	Native T1 mapping: inter-study, inter-observer and inter-center reproducibility in hemodialysis patients. Journal of Cardiovascular Magnetic Resonance, 2016, 19, 21.	1.6	50
151	Measurement of Tissue Interstitial Volume in Healthy Patients and Those with Amyloidosis with Equilibrium Contrast-enhanced MR Imaging. Radiology, 2013, 268, 858-864.	3.6	49
152	Myocardial Tissue Characterization: Histological and Pathophysiological Correlation. Current Cardiovascular Imaging Reports, 2014, 7, 9254.	0.4	49
153	Cardiovascular magnetic resonance activity in the United Kingdom: a survey on behalf of the british society of cardiovascular magnetic resonance. Journal of Cardiovascular Magnetic Resonance, 2011, 13, 57.	1.6	48
154	Arrhythmogenic right ventricular cardiomyopathy mimics: role of cardiovascular magnetic resonance. Journal of Cardiovascular Magnetic Resonance, 2013, 15, 16.	1.6	48
155	Different initiatives across Europe to enhance losartan utilization post generics: impact and implications. Frontiers in Pharmacology, 2014, 5, 219.	1.6	48
156	ASNC/AHA/ASE/EANM/HFSA/ISA/SCMR/SNMMI Expert Consensus Recommendations for Multimodality Imaging in Cardiac Amyloidosis: Part 1 of 2â€"Evidence Base and Standardized Methods of Imaging. Circulation: Cardiovascular Imaging, 2021, 14, e000029.	1.3	48
157	Myocardial Storage, Inflammation, and Cardiac Phenotype in Fabry Disease After One Year of Enzyme Replacement Therapy. Circulation: Cardiovascular Imaging, 2019, 12, e009430.	1.3	47
158	Automated Extracellular Volume Fraction Mapping Provides Insights Into the Pathophysiology of Left Ventricular Remodeling Postâ€"Reperfused STâ€Elevation Myocardial Infarction. Journal of the American Heart Association, 2016, 5, .	1.6	46
159	Cardiac involvement in genotype-positive Fabry disease patients assessed by cardiovascular MR. Heart, 2016, 102, 298-302.	1.2	46
160	Global longitudinal strain, myocardial storage and hypertrophy in Fabry disease. Heart, 2019, 105, 470-476.	1.2	45
161	Immunogenicity of Membrane-bound HIV-1 gp41 Membrane-proximal External Region (MPER) Segments Is Dominated by Residue Accessibility and Modulated by Stereochemistry. Journal of Biological Chemistry, 2013, 288, 31888-31901.	1.6	43
162	Myocardial Fibrosis in Glycogen Storage Disease Type III. Circulation, 2003, 107, e47.	1.6	42

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163	Electrical and Structural Substrate of Arrhythmogenic Right Ventricular Cardiomyopathy Determined Using Noninvasive Electrocardiographic Imaging and Late Gadolinium Magnetic Resonance Imaging. Circulation: Arrhythmia and Electrophysiology, 2017, 10, .	2.1	42
164	Review of T1 Mapping Methods: Comparative Effectiveness Including Reproducibility Issues. Current Cardiovascular Imaging Reports, 2014, 7, 1.	0.4	41
165	Quantification of both the area-at-risk and acute myocardial infarct size in ST-segment elevation myocardial infarction using T1-mapping. Journal of Cardiovascular Magnetic Resonance, 2016, 19, 57.	1.6	41
166	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
167	The Prognostic Implications of Cardiovascular Magnetic Resonance. Circulation: Cardiovascular Imaging, 2009, 2, 243-250.	1.3	40
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