

# James C Moon

## List of Publications by Citations

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487  
papers

26,878  
citations

78  
h-index

153  
g-index

586  
ext. papers

34,128  
ext. citations

6.8  
avg, IF

6.95  
L-index

#	Paper	IF	Citations
487	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. <i>American Journal of Cardiology</i> , <b>2002</b> , 90, 29-34	3	1076
486	Differentiation of heart failure related to dilated cardiomyopathy and coronary artery disease using gadolinium-enhanced cardiovascular magnetic resonance. <i>Circulation</i> , <b>2003</b> , 108, 54-9	16.7	875
485	Nonbiopsy Diagnosis of Cardiac Transthyretin Amyloidosis. <i>Circulation</i> , <b>2016</b> , 133, 2404-12	16.7	792
484	Cardiovascular magnetic resonance in cardiac amyloidosis. <i>Circulation</i> , <b>2005</b> , 111, 186-93	16.7	698
483	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. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2013</b> , 15, 92	6.9	684
482	Equilibrium contrast cardiovascular magnetic resonance for the measurement of diffuse myocardial fibrosis: preliminary validation in humans. <i>Circulation</i> , <b>2010</b> , 122, 138-44	16.7	662
481	Toward clinical risk assessment in hypertrophic cardiomyopathy with gadolinium cardiovascular magnetic resonance. <i>Journal of the American College of Cardiology</i> , <b>2003</b> , 41, 1561-7	15.1	614
480	Prognostic significance of myocardial fibrosis in hypertrophic cardiomyopathy. <i>Journal of the American College of Cardiology</i> , <b>2010</b> , 56, 867-74	15.1	599
479	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). <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2017</b> , 19, 75	6.9	588
478	Interstudy reproducibility of right ventricular volumes, function, and mass with cardiovascular magnetic resonance. <i>American Heart Journal</i> , <b>2004</b> , 147, 218-23	4.9	582
477	The histologic basis of late gadolinium enhancement cardiovascular magnetic resonance in hypertrophic cardiomyopathy. <i>Journal of the American College of Cardiology</i> , <b>2004</b> , 43, 2260-4	15.1	519
476	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. <i>European Heart Journal</i> , <b>2016</b> , 37, 1850-8	9.5	473
475	Ventricular fibrosis suggested by cardiovascular magnetic resonance in adults with repaired tetralogy of fallot and its relationship to adverse markers of clinical outcome. <i>Circulation</i> , <b>2006</b> , 113, 405-13	16.7	445
474	Right ventricular function in adults with repaired tetralogy of Fallot assessed with cardiovascular magnetic resonance imaging: detrimental role of right ventricular outflow aneurysms or akinesia and adverse right-to-left ventricular interaction. <i>Journal of the American College of Cardiology</i> , <b>2002</b> , 40, 2044-52	15.1	425
473	Noncontrast T1 mapping for the diagnosis of cardiac amyloidosis. <i>JACC: Cardiovascular Imaging</i> , <b>2013</b> , 6, 488-97	8.4	410
472	Evaluation of techniques for the quantification of myocardial scar of differing etiology using cardiac magnetic resonance. <i>JACC: Cardiovascular Imaging</i> , <b>2011</b> , 4, 150-6	8.4	393
471	Prognostic Value of Late Gadolinium Enhancement Cardiovascular Magnetic Resonance in Cardiac Amyloidosis. <i>Circulation</i> , <b>2015</b> , 132, 1570-9	16.7	320

470	Human non-contrast T1 values and correlation with histology in diffuse fibrosis. <i>Heart</i> , <b>2013</b> , 99, 932-7	5.1	319
469	Gadolinium enhanced cardiovascular magnetic resonance in Anderson-Fabry disease. Evidence for a disease specific abnormality of the myocardial interstitium. <i>European Heart Journal</i> , <b>2003</b> , 24, 2151-5	9.5	312
468	Identification and assessment of Anderson-Fabry disease by cardiovascular magnetic resonance noncontrast myocardial T1 mapping. <i>Circulation: Cardiovascular Imaging</i> , <b>2013</b> , 6, 392-8	3.9	310
467	Detection of apical hypertrophic cardiomyopathy by cardiovascular magnetic resonance in patients with non-diagnostic echocardiography. <i>British Heart Journal</i> , <b>2004</b> , 90, 645-9		278
466	Native T1 mapping in transthyretin amyloidosis. <i>JACC: Cardiovascular Imaging</i> , <b>2014</b> , 7, 157-65	8.4	265
465	Comprehensive validation of cardiovascular magnetic resonance techniques for the assessment of myocardial extracellular volume. <i>Circulation: Cardiovascular Imaging</i> , <b>2013</b> , 6, 373-83	3.9	257
464	Therapeutic Clearance of Amyloid by Antibodies to Serum Amyloid P Component. <i>New England Journal of Medicine</i> , <b>2015</b> , 373, 1106-14	59.2	250
463	T1 mapping and survival in systemic light-chain amyloidosis. <i>European Heart Journal</i> , <b>2015</b> , 36, 244-51	9.5	247
462	Breath-hold FLASH and FISP cardiovascular MR imaging: left ventricular volume differences and reproducibility. <i>Radiology</i> , <b>2002</b> , 223, 789-97	20.5	245
461	Do results of the ENABLE (Endothelin Antagonist Bosentan for Lowering Cardiac Events in Heart Failure) study spell the end for non-selective endothelin antagonism in heart failure?. <i>International Journal of Cardiology</i> , <b>2002</b> , 85, 195-7	3.2	239
460	Late gadolinium enhancement cardiovascular magnetic resonance of the systemic right ventricle in adults with previous atrial redirection surgery for transposition of the great arteries. <i>Circulation</i> , <b>2005</b> , 111, 2091-8	16.7	223
459	Cardiovascular magnetic resonance measurement of myocardial extracellular volume in health and disease. <i>Heart</i> , <b>2012</b> , 98, 1436-41	5.1	221
458	COVID-19: PCR screening of asymptomatic health-care workers at London hospital. <i>Lancet, The</i> , <b>2020</b> , 395, 1608-1610	40	219
457	Antibody response to first BNT162b2 dose in previously SARS-CoV-2-infected individuals. <i>Lancet, The</i> , <b>2021</b> , 397, 1057-1058	40	214
456	T1 mapping for myocardial extracellular volume measurement by CMR: bolus only versus primed infusion technique. <i>JACC: Cardiovascular Imaging</i> , <b>2013</b> , 6, 955-62	8.4	210
455	Quantification of myocardial extracellular volume fraction in systemic AL amyloidosis: an equilibrium contrast cardiovascular magnetic resonance study. <i>Circulation: Cardiovascular Imaging</i> , <b>2013</b> , 6, 34-9	3.9	210
454	Comparison of T1 mapping techniques for ECV quantification. Histological validation and reproducibility of ShMOLLI versus multibreath-hold T1 quantification equilibrium contrast CMR. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2012</b> , 14, 88	6.9	178
453	Magnetic Resonance in Transthyretin Cardiac Amyloidosis. <i>Journal of the American College of Cardiology</i> , <b>2017</b> , 70, 466-477	15.1	176

452	Nanoparticle Drug Delivery Systems Designed to Improve Cancer Vaccines and Immunotherapy. <i>Vaccines</i> , <b>2015</b> , 3, 662-85	5.3	176
451	Prevalence of Subclinical Coronary Artery Disease in Masters Endurance Athletes With a Low Atherosclerotic Risk Profile. <i>Circulation</i> , <b>2017</b> , 136, 126-137	16.7	171
450	Microfluidic alignment of collagen fibers for in vitro cell culture. <i>Biomedical Microdevices</i> , <b>2006</b> , 8, 35-41	3.7	170
449	Normal variation of magnetic resonance T1 relaxation times in the human population at 1.5 T using ShMOLLI. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2013</b> , 15, 13	6.9	168
448	Remote ischemic conditioning reduces myocardial infarct size and edema in patients with ST-segment elevation myocardial infarction. <i>JACC: Cardiovascular Interventions</i> , <b>2015</b> , 8, 178-188	5	167
447	Updates in cardiac amyloidosis: a review. <i>Journal of the American Heart Association</i> , <b>2012</b> , 1, e000364	6	161
446	Subclinical myocardial inflammation and diffuse fibrosis are common in systemic sclerosis--a clinical study using myocardial T1-mapping and extracellular volume quantification. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2014</b> , 16, 21	6.9	156
445	Clinical significance of respiratory bronchiolitis on open lung biopsy and its relationship to smoking related interstitial lung disease. <i>Thorax</i> , <b>1999</b> , 54, 1009-14	7.3	154
444	Reverse Myocardial Remodeling Following Valve Replacement in Patients With Aortic Stenosis. <i>Journal of the American College of Cardiology</i> , <b>2018</b> , 71, 860-871	15.1	152
443	Diffuse myocardial fibrosis in severe aortic stenosis: an equilibrium contrast cardiovascular magnetic resonance study. <i>European Heart Journal Cardiovascular Imaging</i> , <b>2012</b> , 13, 819-26	4.1	140
442	Prior SARS-CoV-2 infection rescues B and T cell responses to variants after first vaccine dose. <i>Science</i> , <b>2021</b> , 372,	33.3	136
441	Occult Transthyretin Cardiac Amyloid in Severe Calcific Aortic Stenosis: Prevalence and Prognosis in Patients Undergoing Surgical Aortic Valve Replacement. <i>Circulation: Cardiovascular Imaging</i> , <b>2016</b> , 9,	3.9	133
440	The pathologic basis of Q-wave and non-Q-wave myocardial infarction: a cardiovascular magnetic resonance study. <i>Journal of the American College of Cardiology</i> , <b>2004</b> , 44, 554-60	15.1	133
439	The histological basis of late gadolinium enhancement cardiovascular magnetic resonance in a patient with Anderson-Fabry disease. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2006</b> , 8, 479-82	6.9	128
438	The relationship of left ventricular trabeculation to ventricular function and structure over a 9.5-year follow-up: the MESA study. <i>Journal of the American College of Cardiology</i> , <b>2014</b> , 64, 1971-80	15.1	123
437	Quantification of left ventricular trabeculae using fractal analysis. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2013</b> , 15, 36	6.9	123
436	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. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2014</b> , 16, 99	6.9	122
435	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. <i>Journal of the American Heart Association</i> , <b>2015</b> , 4,	6	119

434	Role of late gadolinium enhancement cardiovascular magnetic resonance in the risk stratification of hypertrophic cardiomyopathy. <i>Heart</i> , <b>2014</b> , 100, 1851-8	5.1	114
433	Reappraising myocardial fibrosis in severe aortic stenosis: an invasive and non-invasive study in 133 patients. <i>European Heart Journal</i> , <b>2018</b> , 39, 699-709	9.5	112
432	Patterns of myocardial injury in recovered troponin-positive COVID-19 patients assessed by cardiovascular magnetic resonance. <i>European Heart Journal</i> , <b>2021</b> , 42, 1866-1878	9.5	112
431	Noncontrast myocardial T1 mapping using cardiovascular magnetic resonance for iron overload. <i>Journal of Magnetic Resonance Imaging</i> , <b>2015</b> , 41, 1505-11	5.6	111
430	Frequency and clinical expression of cardiac troponin I mutations in 748 consecutive families with hypertrophic cardiomyopathy. <i>Journal of the American College of Cardiology</i> , <b>2004</b> , 44, 2315-25	15.1	104
429	Myocardial Scar and Mortality in Severe Aortic Stenosis. <i>Circulation</i> , <b>2018</b> , 138, 1935-1947	16.7	102
428	A medical device-grade T1 and ECV phantom for global T1 mapping quality assurance-the T Mapping and ECV Standardization in cardiovascular magnetic resonance (T1MES) program. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2016</b> , 18, 58	6.9	101
427	Discordant neutralizing antibody and T cell responses in asymptomatic and mild SARS-CoV-2 infection. <i>Science Immunology</i> , <b>2020</b> , 5,	28	98
426	Automatic Measurement of the Myocardial Interstitium: Synthetic Extracellular Volume Quantification Without Hematocrit Sampling. <i>JACC: Cardiovascular Imaging</i> , <b>2016</b> , 9, 54-63	8.4	97
425	Differential Myocyte Responses in Patients with Cardiac Transthyretin Amyloidosis and Light-Chain Amyloidosis: A Cardiac MR Imaging Study. <i>Radiology</i> , <b>2015</b> , 277, 388-97	20.5	92
424	Measurement of Myocardial Extracellular Volume Fraction by Using Equilibrium Contrast-enhanced CT: Validation against Histologic Findings. <i>Radiology</i> , <b>2013</b> , 269, 396-403	20.5	92
423	Native T1 and Extracellular Volume in Transthyretin Amyloidosis. <i>JACC: Cardiovascular Imaging</i> , <b>2019</b> , 12, 810-819	8.4	89
422	Cardiovascular magnetic resonance for amyloidosis. <i>Heart Failure Reviews</i> , <b>2015</b> , 20, 133-44	5	85
421	Update on hypertrophic cardiomyopathy and a guide to the guidelines. <i>Nature Reviews Cardiology</i> , <b>2016</b> , 13, 651-675	14.8	84
420	Clinical application of MOLLI T1* for extracellular volume calculation in healthy volunteers and aortic stenosis. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2015</b> , 17,	6.9	78
419	Splenic switch-off, a potential novel marker of lack of adenosine response: prevalence and measurement reproducibility. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2015</b> , 17,	6.9	78
418	Incidence of left ventricular thrombi in reperfused STEMI patients detected by contrast-enhanced CMR. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2015</b> , 17,	6.9	78
417	CMR detects abnormal septal convexity into the left ventricle in preclinical hypertrophic cardiomyopathy. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2015</b> , 17,	6.9	78

416	Precision and reproducibility of blood T1 estimation: implications of T1 star on ECV calculation. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2015</b> , 17,	6.9	78
415	Performance of automated ECV maps versus conventionally calculated ECV. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2015</b> , 17,	6.9	78
414	Quantification of the area-at-risk by T1 and T2 mapping CMR at 3T. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2015</b> , 17,	6.9	78
413	Splenic switch-off, a potential novel marker of lack of adenosine response: relationship to heart rate response and demographic factors. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2015</b> , 17,	6.9	78
412	Native myocardial T1 precision is increased by correcting for myocardial blood variation. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2015</b> , 17,	6.9	78
411	The association of left atrial volume with age, ethnicity and cardiovascular risk factors in men and women: the Multi-Ethnic Study of Atherosclerosis (MESA). <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2016</b> , 18, O65	6.9	78
410	Can left ventricular endocardial surface roughness be measured by fractal dimension on fast gradient echo sequences?. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2016</b> , 18,	6.9	78
409	Current provision for MRI scanning of patients with cardiac implantable electronic devices - a national survey of hospitals in England. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2016</b> , 18,	6.9	78
408	Occult senile cardiac amyloid in severe calcific aortic stenosis is not rare and has a poor prognosis: a 146 patient CMR biopsy study. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2016</b> , 18, O40	6.9	78
407	Relationship of regional myocardial deformation and myocardial fibrosis to myocardial trabeculation: The Multi-Ethnic Study of Atherosclerosis. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2016</b> , 18,	6.9	78
406	High-sensitivity Troponin-T levels in reperfused STEMI patients: A comparison with CMR. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2016</b> , 18,	6.9	78
405	It's not just the mitral valve - abnormal motion of the whole aorto-mitral apparatus occurs in both overt and subclinical hypertrophic cardiomyopathy. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2016</b> , 18,	6.9	78
404	ECG, LVH and T1 changes in Fabry disease - implications for screening and understanding of the disease model. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2016</b> , 18, Q48	6.9	78
403	Left ventricular remodeling after reperfused acute myocardial infarction: insights from automated ECV mapping. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2016</b> , 18,	6.9	78
402	Spotting senile systemic amyloidosis: why we miss it. <i>Orphanet Journal of Rare Diseases</i> , <b>2015</b> , 10,	4.2	78
401	The distribution of hypertrophy in anderson fabry disease. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2011</b> , 13,	6.9	78
400	The evolution and clinical importance of scar in hypertrophic cardiomyopathy - a 7 year CMR follow-up study. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2011</b> , 13,	6.9	78
399	Characterising the myocardial interstitial space: the clinical relevance of non-invasive imaging. <i>Heart</i> , <b>2012</b> , 98, 773-9	5.1	76

398	Extracellular volume quantification by dynamic equilibrium cardiac computed tomography in cardiac amyloidosis. <i>Journal of Cardiovascular Computed Tomography</i> , <b>2015</b> , 9, 585-92	2.8	75
397	Myocardial late gadolinium enhancement cardiovascular magnetic resonance in hypertrophic cardiomyopathy caused by mutations in troponin I. <i>Heart</i> , <b>2005</b> , 91, 1036-40	5.1	75
396	Myocardial Edema and Prognosis in Amyloidosis. <i>Journal of the American College of Cardiology</i> , <b>2018</b> , 71, 2919-2931	15.1	75
395	COVID-19: Myocardial Injury in Survivors. <i>Circulation</i> , <b>2020</b> , 142, 1120-1122	16.7	75
394	Residual Myocardial Iron Following Intramyocardial Hemorrhage During the Convalescent Phase of Reperfused ST-Segment-Elevation Myocardial Infarction and Adverse Left Ventricular Remodeling. <i>Circulation: Cardiovascular Imaging</i> , <b>2016</b> , 9,	3.9	74
393	Global longitudinal strain is associated with heart failure outcomes in hypertrophic cardiomyopathy. <i>Heart</i> , <b>2016</b> , 102, 741-7	5.1	70
392	Lamin and the heart. <i>Heart</i> , <b>2018</b> , 104, 468-479	5.1	70
391	Extracellular Myocardial Volume in Patients With Aortic Stenosis. <i>Journal of the American College of Cardiology</i> , <b>2020</b> , 75, 304-316	15.1	69
390	Repeat doses of antibody to serum amyloid P component clear amyloid deposits in patients with systemic amyloidosis. <i>Science Translational Medicine</i> , <b>2018</b> , 10,	17.5	68
389	Prevalence of Cardiac Amyloidosis in Patients Referred for Transcatheter Aortic Valve Replacement. <i>Journal of the American College of Cardiology</i> , <b>2018</b> , 71, 463-464	15.1	67
388	Automated Pixel-Wise Quantitative Myocardial Perfusion Mapping by CMR to Detect Obstructive Coronary Artery Disease and Coronary Microvascular Dysfunction: Validation Against Invasive Coronary Physiology. <i>JACC: Cardiovascular Imaging</i> , <b>2019</b> , 12, 1958-1969	8.4	66
387	T mapping in cardiac MRI. <i>Heart Failure Reviews</i> , <b>2017</b> , 22, 415-430	5	65
386	Noncontrast Magnetic Resonance for the Diagnosis of Cardiac Amyloidosis. <i>JACC: Cardiovascular Imaging</i> , <b>2020</b> , 13, 69-80	8.4	63
385	Myocardial contrast echocardiography accurately reflects transmural myocardial necrosis and predicts contractile reserve after acute myocardial infarction. <i>American Heart Journal</i> , <b>2005</b> , 149, 355-62 <sup>4-9</sup>		61
384	Effect of erythropoietin as an adjunct to primary percutaneous coronary intervention: a randomised controlled clinical trial. <i>Heart</i> , <b>2011</b> , 97, 1560-5	5.1	60
383	Extracellular volume quantification in isolated hypertension - changes at the detectable limits?. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2015</b> , 17, 74	6.9	58
382	The "OBS" chart: an evidence based approach to re-design of the patient observation chart in a district general hospital setting. <i>Postgraduate Medical Journal</i> , <b>2005</b> , 81, 663-6	2	58
381	Abnormal cardiac formation in hypertrophic cardiomyopathy: fractal analysis of trabeculae and preclinical gene expression. <i>Circulation: Cardiovascular Genetics</i> , <b>2014</b> , 7, 241-8		57

380	Cardiac Fabry Disease With Late Gadolinium Enhancement Is a Chronic Inflammatory Cardiomyopathy. <i>Journal of the American College of Cardiology</i> , <b>2016</b> , 68, 1707-1708	15.1	57
379	ASNC/AHA/ASE/EANM/HFSA/ISA/SCMR/SNMMI Expert Consensus Recommendations for Multimodality Imaging in Cardiac Amyloidosis: Part 1 of 2-Evidence Base and Standardized Methods of Imaging. <i>Journal of Cardiac Failure</i> , <b>2019</b> , 25, e1-e39	3.3	56
378	Diffuse myocardial fibrosis in the systemic right ventricle of patients late after Mustard or Senning surgery: an equilibrium contrast cardiovascular magnetic resonance study. <i>European Heart Journal Cardiovascular Imaging</i> , <b>2013</b> , 14, 963-8	4.1	56
377	Prediction of sarcomere mutations in subclinical hypertrophic cardiomyopathy. <i>Circulation: Cardiovascular Imaging</i> , <b>2014</b> , 7, 863-71	3.9	55
376	Cardiac Structural and Functional Consequences of Amyloid Deposition by Cardiac Magnetic Resonance and Echocardiography and Their Prognostic Roles. <i>JACC: Cardiovascular Imaging</i> , <b>2019</b> , 12, 823-833	8.4	55
375	Myocardial T1 mapping. <i>Circulation Journal</i> , <b>2015</b> , 79, 487-94	2.9	54
374	T1 mapping and T2 mapping at 3T for quantifying the area-at-risk in reperfused STEMI patients. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2015</b> , 17, 73	6.9	54
373	Effect of Low-Dose Intracoronary Alteplase During Primary Percutaneous Coronary Intervention on Microvascular Obstruction in Patients With Acute Myocardial Infarction: A Randomized Clinical Trial. <i>JAMA - Journal of the American Medical Association</i> , <b>2019</b> , 321, 56-68	27.4	54
372	Distance regularized two level sets for segmentation of left and right ventricles from cine-MRI. <i>Magnetic Resonance Imaging</i> , <b>2016</b> , 34, 699-706	3.3	53
371	Prevalence and outcome of dual aortic stenosis and cardiac amyloid pathology in patients referred for transcatheter aortic valve implantation. <i>European Heart Journal</i> , <b>2020</b> , 41, 2759-2767	9.5	52
370	CMR-Verified Regression of Cardiac AL Amyloid After Chemotherapy. <i>JACC: Cardiovascular Imaging</i> , <b>2018</b> , 11, 152-154	8.4	52
369	Ventricular arrhythmia and sudden cardiac death in Fabry disease: a systematic review of risk factors in clinical practice. <i>Europace</i> , <b>2018</b> , 20, f153-f161	3.9	52
368	Equilibrium contrast-enhanced CT imaging to evaluate hepatic fibrosis: initial validation by comparison with histopathologic sampling. <i>Radiology</i> , <b>2015</b> , 275, 136-43	20.5	52
367	The Prognostic Significance of Quantitative Myocardial Perfusion: An Artificial Intelligence-Based Approach Using Perfusion Mapping. <i>Circulation</i> , <b>2020</b> , 141, 1282-1291	16.7	51
366	Sex Dimorphism in the Myocardial Response to Aortic Stenosis. <i>JACC: Cardiovascular Imaging</i> , <b>2018</b> , 11, 962-973	8.4	51
365	Echocardiographic phenotype and prognosis in transthyretin cardiac amyloidosis. <i>European Heart Journal</i> , <b>2020</b> , 41, 1439-1447	9.5	50
364	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. <i>Journal of the American College of Cardiology</i> , <b>2007</b> , 50, 1294-5	15.1	50
363	Prevalence and Outcomes of Concomitant Aortic Stenosis and Cardiac Amyloidosis. <i>Journal of the American College of Cardiology</i> , <b>2021</b> , 77, 128-139	15.1	50



362	Pre-existing polymerase-specific T cells expand in abortive seronegative SARS-CoV-2. <i>Nature</i> , <b>2021</b> ,	50.4	49
361	Dark blood late enhancement imaging. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2016</b> , 18, 77	6.9	48
360	Cationic liposomes promote antigen cross-presentation in dendritic cells by alkalizing the lysosomal pH and limiting the degradation of antigens. <i>International Journal of Nanomedicine</i> , <b>2017</b> , 12, 1251-1264	7.3	47
359	Dilated cardiomyopathy and arrhythmogenic left ventricular cardiomyopathy: a comprehensive genotype-imaging phenotype study. <i>European Heart Journal Cardiovascular Imaging</i> , <b>2020</b> , 21, 326-336	4.1	46
358	Novel imaging techniques for diffuse myocardial fibrosis. <i>Future Cardiology</i> , <b>2011</b> , 7, 643-50	1.3	46
357	Native T1 mapping: inter-study, inter-observer and inter-center reproducibility in hemodialysis patients. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2017</b> , 19, 21	6.9	45
356	Splenic Switch-off: A Tool to Assess Stress Adequacy in Adenosine Perfusion Cardiac MR Imaging. <i>Radiology</i> , <b>2015</b> , 276, 732-40	20.5	45
355	Myocardial Extracellular Volume Quantification by Cardiovascular Magnetic Resonance and Computed Tomography. <i>Current Cardiology Reports</i> , <b>2018</b> , 20, 15	4.2	44
354	Proposed Stages of Myocardial Phenotype Development in Fabry Disease. <i>JACC: Cardiovascular Imaging</i> , <b>2019</b> , 12, 1673-1683	8.4	44
353	Cardiac MRI evaluation of myocardial disease. <i>Heart</i> , <b>2016</b> , 102, 1429-35	5.1	44
352	A Multicenter, Scan-Rescan, Human and Machine Learning CMR Study to Test Generalizability and Precision in Imaging Biomarker Analysis. <i>Circulation: Cardiovascular Imaging</i> , <b>2019</b> , 12, e009214	3.9	43
351	Quantifying the Area at Risk in Reperfused ST-Segment-Elevation Myocardial Infarction Patients Using Hybrid Cardiac Positron Emission Tomography-Magnetic Resonance Imaging. <i>Circulation: Cardiovascular Imaging</i> , <b>2016</b> , 9, e003900	3.9	42
350	Cardiovascular magnetic resonance activity in the United Kingdom: a survey on behalf of the British Society of Cardiovascular Magnetic Resonance. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2011</b> , 13, 57	6.9	42
349	Measurement of myocardial extracellular volume fraction by using equilibrium contrast-enhanced CT: validation against histologic findings. <i>Radiology</i> , <b>2013</b> , 269, 396-403	20.5	41
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