John P Greenwood

List of Publications by Year in Descending Order

164 papers	5,038 citations	34 h-index	67 g-index
177 ext. papers	6,620 ext. citations	6.3 avg, IF	5.39 L-index

#	Paper	IF	Citations
164	Acute Myocarditis Mimicking Hypertrophic Cardiomyopathy in Marfan Syndrome and Morphologically Abnormal Mitral Valve.. *JACC: Case Reports*, **2022**, 4, 105-110	1.2	
163	The Changing Face of Medical Education in the aftermath of COVID-19: The True Digital Era Begins.. *Journal of European CME*, **2022**, 11, 2035949	0.6	2
162	Society for Cardiovascular Magnetic Resonance perspective on the 2021 AHA/ACC Chest Pain Guidelines.. *Journal of Cardiovascular Magnetic Resonance*, **2022**, 24, 8	6.9	1
161	Precision measurement of cardiac structure and function in cardiovascular magnetic resonance using machine learning.. *Journal of Cardiovascular Magnetic Resonance*, **2022**, 24, 16	6.9	2
160	Training and clinical testing of artificial intelligence derived right atrial cardiovascular magnetic resonance measurements.. *Journal of Cardiovascular Magnetic Resonance*, **2022**, 24, 25	6.9	1
159	Left ventricular four-dimensional blood flow distribution, energetics, and vorticity in chronic myocardial infarction patients with/without left ventricular thrombus.. *European Journal of Radiology*, **2022**, 150, 110233	4.7	1
158	Very early invasive angiography versus standard of care in higher-risk non-ST elevation myocardial infarction: study protocol for the prospective multicentre randomised controlled RAPID N-STEMI trial.. *BMJ Open*, **2022**, 12, e055878	3	0
157	Mitral regurgitation quantified by CMR 4D-flow is associated with microvascular obstruction post reperfused ST-segment elevation myocardial infarction.. *BMC Research Notes*, **2022**, 15, 181	2.3	0
156	Bullying in UK cardiology: a systemic problem requiring systemic solutions. *Heart*, **2021**,	5.1	1
155	Progressive myocardial dysfunction following COVID-19. *BMJ Case Reports*, **2021**, 14,	0.9	
154	Effect of remote ischaemic conditioning on infarct size and remodelling in ST-segment elevation myocardial infarction patients: the CONDI-2/ERIC-PPCI CMR substudy. *Basic Research in Cardiology*, **2021**, 116, 59	11.8	3
153	Empagliflozin Treatment Is Associated With Improvements in Cardiac Energetics and Function and Reductions in Myocardial Cellular Volume in Patients With Type 2 Diabetes. *Diabetes*, **2021**, 70, 2810-2822	9.9	3
152	Using cardiovascular magnetic resonance to define mechanisms of comorbidity and to measure the effect of biological therapy: the CADERA observational study. *Efficacy and Mechanism Evaluation*, **2021**, 8, 1-42	1.7	
151	A comparison of standard and high dose adenosine protocols in routine vasodilator stress cardiovascular magnetic resonance: dosage affects hyperaemic myocardial blood flow in patients with severe left ventricular systolic impairment. *Journal of Cardiovascular Magnetic Resonance*, **2021**, 23, 37	6.9	2
150	Feasibility and validation of trans-valvular flow derived by four-dimensional flow cardiovascular magnetic resonance imaging in patients with atrial fibrillation. *Wellcome Open Research*, **2021**, 6, 73	4.8	2
149	Acute Microstructural Changes after ST-Segment Elevation Myocardial Infarction Assessed with Diffusion Tensor Imaging. *Radiology*, **2021**, 299, 86-96	20.5	2
148	Feasibility and validation of trans-valvular flow derived by four-dimensional flow cardiovascular magnetic resonance imaging in patients with atrial fibrillation. *Wellcome Open Research*, **2021**, 6, 73	4.8	1

147	Detrimental Immediate- and Medium-Term Clinical Effects of Right Ventricular Pacing in Patients With Myocardial Fibrosis. *Circulation: Cardiovascular Imaging*, **2021**, 14, e012256	3.9	1
146	Rationale and design of the randomised controlled cross-over trial: Cardiovascular effects of empaglifozin in diabetes mellitus. *Diabetes and Vascular Disease Research*, **2021**, 18, 14791641211021585	3.3	
145	Prospective Case-Control Study of Cardiovascular Abnormalities 6 Months Following Mild COVID-19 in Healthcare Workers. *JACC: Cardiovascular Imaging*, **2021**, 14, 2155-2166	8.4	34
144	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. *Journal of Cardiovascular Magnetic Resonance*, **2021**, 23, 77	6.9	6
143	Multiple Etiologies to Myocardial Injury in COVID-19. *JACC: Case Reports*, **2021**, 3, 971-972	1.2	1
142	Insight Into Myocardial Microstructure of Athletes and Hypertrophic Cardiomyopathy Patients Using Diffusion Tensor Imaging. *Journal of Magnetic Resonance Imaging*, **2021**, 53, 73-82	5.6	3
141	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	14.4	19
140	Short-term adverse remodeling progression in asymptomatic aortic stenosis. *European Radiology*, **2021**, 31, 3923-3930	8	0
139	Predictors of subclinical systemic sclerosis primary heart involvement characterised by microvasculopathy and myocardial fibrosis. *Rheumatology*, **2021**, 60, 2934-2945	3.9	4
138	Exercise cardiovascular magnetic resonance: feasibility and development of biventricular function and great vessel flow assessment, during continuous exercise accelerated by Compressed SENSE: preliminary results in healthy volunteers. *International Journal of Cardiovascular Imaging*, **2021**, 37, 685-698	2.5	1
137	Cost-effectiveness of cardiovascular imaging for stable coronary heart disease. *Heart*, **2021**, 107, 381-388	5.1	4
136	Regional variation in cardiovascular magnetic resonance service delivery across the UK. *Heart*, **2021**, 107, 1974-1979	5.1	2
135	Super-Resolution of Cardiac MR Cine Imaging using Conditional GANs and Unsupervised Transfer Learning. *Medical Image Analysis*, **2021**, 71, 102037	15.4	8
134	Reproducibility of left ventricular blood flow kinetic energy measured by four-dimensional flow CMR. *BMC Research Notes*, **2021**, 14, 289	2.3	1
133	Markers of Myocardial Damage Predict Mortality in Patients With Aortic Stenosis. *Journal of the American College of Cardiology*, **2021**, 78, 545-558	15.1	7
132	Effect of the 2017 European Guidelines on Reclassification of Severe Aortic Stenosis and Its Influence on Management Decisions for Initially Asymptomatic Aortic Stenosis. *Circulation: Cardiovascular Imaging*, **2020**, 13, e011763	3.9	2
131	T mapping performance and measurement repeatability: results from the multi-national T mapping standardization phantom program (T1MES). *Journal of Cardiovascular Magnetic Resonance*, **2020**, 22, 31	6.9	10
130	Rapid Cardiovascular Magnetic Resonance for Ischemic Heart Disease Investigation (RAPID-IHD). *JACC: Cardiovascular Imaging*, **2020**, 13, 1632-1634	8.4	5

129	One-Year Outcomes After Low-Dose Intracoronary Alteplase During Primary Percutaneous Coronary Intervention: The T-TIME Randomized Trial. *Circulation: Cardiovascular Interventions*, **2020**, 13, e008855	6	3
128	Extracellular Myocardial Volume in Patients With Aortic Stenosis. *Journal of the American College of Cardiology*, **2020**, 75, 304-316	15.1	69
127	Low-dose intracoronary alteplase during primary percutaneous coronary intervention in patients with acute myocardial infarction: the T-TIME three-arm RCT. *Efficacy and Mechanism Evaluation*, **2020**, 7, 1-86	1.7	
126	Abnormal electrophysiological testing associates with future incidental significant arrhythmia in scleroderma. *Rheumatology*, **2020**, 59, 899-900	3.9	4
125	Sample Timing, Diagnosis of Subclinical Thyroid Dysfunction and Mortality in Acute Myocardial Infarction: ThyrAMI1 Study. *Journal of Clinical Endocrinology and Metabolism*, **2020**, 105,	5.6	5
124	Feasibility and reproducibility of a cardiovascular magnetic resonance free-breathing, multi-shot, navigated image acquisition technique for ventricular volume quantification during continuous exercise. *Quantitative Imaging in Medicine and Surgery*, **2020**, 10, 1837-1851	3.6	1
123	Cardiac Imaging in the Post-ISCHEMIA Trial Era: A Multisociety Viewpoint. *JACC: Cardiovascular Imaging*, **2020**, 13, 1815-1833	8.4	10
122	Feasibility and validation of trans-valvular flow derived by four-dimensional flow cardiovascular magnetic resonance imaging in pacemaker recipients. *Magnetic Resonance Imaging*, **2020**, 74, 46-55	3.3	4
121	Cardiovascular effects of biological versus conventional synthetic disease-modifying antirheumatic drug therapy in treatment-naïve, early rheumatoid arthritis. *Annals of the Rheumatic Diseases*, **2020**, 79, 1414-1422	2.4	14
120	Exercise cardiovascular magnetic resonance: development, current utility and future applications. *Journal of Cardiovascular Magnetic Resonance*, **2020**, 22, 65	6.9	9
119	Effect of remote ischaemic conditioning on clinical outcomes in patients with acute myocardial infarction (CONDI-2/ERIC-PPCI): a single-blind randomised controlled trial. *Lancet, The*, **2019**, 394, 1415-1424	40	125
118	Regression of Left Ventricular Mass in Athletes Undergoing Complete Detraining Is Mediated by Decrease in Intracellular but Not Extracellular Compartments. *Circulation: Cardiovascular Imaging*, **2019**, 12, e009417	3.9	6
117	Sex differences in left ventricular remodelling, myocardial fibrosis and mortality after aortic valve replacement. *Heart*, **2019**, 105, 1818-1824	5.1	13
116	The British Cardiovascular Society Annual Conference 2019. *European Heart Journal*, **2019**, 40, 2932-2934	9.5	1
115	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	3.9	43
114	First cardiovascular MRI study in individuals at risk of rheumatoid arthritis detects abnormal aortic stiffness suggesting an anti-citrullinated peptide antibody-mediated role for accelerated atherosclerosis. *Annals of the Rheumatic Diseases*, **2019**, 78, 1138-1140	2.4	5
113	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	4.9	40
112	Silent cerebral infarction and cognitive function following TAVI: an observational two-centre UK comparison of the first-generation CoreValve and second-generation Lotus valve. *BMJ Open*, **2019**, 9, e022329	3	3

111	Left ventricular thrombus formation in myocardial infarction is associated with altered left ventricular blood flow energetics. *European Heart Journal Cardiovascular Imaging*, **2019**, 20, 108-117	4.1	34
110	Feasibility of identifying important changes in care management resulting from cardiovascular magnetic resonance (CMR) using hospital episode data in patients who activate the primary percutaneous coronary intervention (PPCI) pathway. *BMC Medical Research Methodology*, **2019**, 19, 116	4.7	1
109	Incidental significant arrhythmia in scleroderma associates with cardiac magnetic resonance measure of fibrosis and hs-TnI and NT-proBNP. *Rheumatology*, **2019**, 58, 1221-1226	3.9	17
108	A national registry to assess the value of cardiovascular magnetic resonance imaging after primary percutaneous coronary intervention pathway activation: a feasibility cohort study. *Health Services and Delivery Research*, **2019**, 7, 1-134	1.5	
107	Mineralocorticoid receptor antagonist pre-treatment and early post-treatment to minimize reperfusion injury after ST-elevation myocardial infarction: The MINIMIZE STEMI trial. *American Heart Journal*, **2019**, 211, 60-67	4.9	11
106	Cardiovascular magnetic resonance in emergency patients with multivessel disease or unobstructed coronary arteries: a cost-effectiveness analysis in the UK. *BMJ Open*, **2019**, 9, e025700	3	1
105	Long-Term Follow-Up of Complete Versus Lesion-Only Revascularization in STEMI and Multivessel Disease: The CvLPRIT Trial. *Journal of the American College of Cardiology*, **2019**, 74, 3083-3094	15.1	23
104	CMR quantitation of change in mitral regurgitation following transcatheter aortic valve replacement (TAVR): impact on left ventricular reverse remodeling and outcome. *International Journal of Cardiovascular Imaging*, **2019**, 35, 161-170	2.5	5
103	Feasibility study of a single breath-hold, 3D mDIXON pulse sequence for late gadolinium enhancement imaging of ischemic scar. *Journal of Magnetic Resonance Imaging*, **2019**, 49, 1437-1445	5.6	9
102	Clinical evaluation of two dark blood methods of late gadolinium quantification of ischemic scar. *Journal of Magnetic Resonance Imaging*, **2019**, 50, 146-152	5.6	9
101	Aortic stiffness in aortic stenosis assessed by cardiovascular MRI: a comparison between bicuspid and tricuspid valves. *European Radiology*, **2019**, 29, 2340-2349	8	3
100	Clinical outcomes following primary percutaneous coronary intervention for ST-elevation myocardial infarction according to sex and race. *European Heart Journal: Acute Cardiovascular Care*, **2019**, 8, 264-272	4.3	10
99	Symptom Onset in Aortic Stenosis: Relation to Sex Differences in Left Ventricular Remodeling. *JACC: Cardiovascular Imaging*, **2019**, 12, 96-105	8.4	35
98	Coronary microvascular dysfunction in patients with stable coronary artery disease: The CE-MARC 2 coronary physiology sub-study. *International Journal of Cardiology*, **2018**, 266, 7-14	3.2	22
97	Cardiovascular magnetic resonance measures of aortic stiffness in asymptomatic patients with type 2 diabetes: association with glycaemic control and clinical outcomes. *Cardiovascular Diabetology*, **2018**, 17, 35	8.7	10
96	Cardiovascular magnetic resonance assessment of 1st generation CoreValve and 2nd generation Lotus valves. *Journal of Interventional Cardiology*, **2018**, 31, 391-399	1.8	5
95	Developing a UK registry to investigate the role of cardiovascular magnetic resonance (CMR) in patients who activate the primary percutaneous coronary intervention (PPCI) pathway: a multicentre, feasibility study linking routinely collected electronic patient data. *BMJ Open*, **2018**, 8, e018987	3	5
94	Comparison of fast acquisition strategies in whole-heart four-dimensional flow cardiac MR: Two-center, 1.5 Tesla, phantom and in vivo validation study. *Journal of Magnetic Resonance Imaging*, **2018**, 47, 272-281	5.6	39

93	Quantitative deformation analysis differentiates ischaemic and non-ischaemic cardiomyopathy: sub-group analysis of the VINDICATE trial. *European Heart Journal Cardiovascular Imaging*, **2018**, 19, 816-823	4.1	5
92	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	6.9	32
91	Myocardial Scar and Mortality in Severe Aortic Stenosis. *Circulation*, **2018**, 138, 1935-1947	16.7	102
90	Outcomes of non-invasive diagnostic modalities for the detection of coronary artery disease: network meta-analysis of diagnostic randomised controlled trials. *BMJ, The*, **2018**, 360, k504	5.9	56
89	Quantitative Myocardial Perfusion Imaging Versus Visual Analysis in Diagnosing Myocardial Ischemia: A CE-MARC Substudy. *JACC: Cardiovascular Imaging*, **2018**, 11, 711-718	8.4	13
88	Role of cardiovascular magnetic resonance in the management of patients with stable coronary artery disease. *Heart*, **2018**, 104, 888-894	5.1	12
87	Multimodality imaging for the quantitative assessment of mitral regurgitation. *Quantitative Imaging in Medicine and Surgery*, **2018**, 8, 342-359	3.6	14
86	Carotid artery volumetric measures associate with clinical ten-year cardiovascular (CV) risk scores and individual traditional CV risk factors in rheumatoid arthritis; a carotid-MRI feasibility study. *Arthritis Research and Therapy*, **2018**, 20, 266	5.7	4
85	Impact of Age and Diastolic Function on Novel, 4D flow CMR Biomarkers of Left Ventricular Blood Flow Kinetic Energy. *Scientific Reports*, **2018**, 8, 14436	4.9	28
84	Society for Cardiovascular Magnetic Resonance (SCMR) expert consensus for CMR imaging endpoints in clinical research: part I - analytical validation and clinical qualification. *Journal of Cardiovascular Magnetic Resonance*, **2018**, 20, 67	6.9	61
83	Left ventricular blood flow kinetic energy after myocardial infarction - insights from 4D flow cardiovascular magnetic resonance. *Journal of Cardiovascular Magnetic Resonance*, **2018**, 20, 61	6.9	31
82	Percutaneous Revascularization for Ischemic Ventricular Dysfunction: Rationale and Design of the REVIVED-BCIS2 Trial: Percutaneous Coronary Intervention for Ischemic Cardiomyopathy. *JACC: Heart Failure*, **2018**, 6, 517-526	7.9	37
81	Alternatives in the Evaluation of Suspected Coronary Heart Disease-Reply. *JAMA - Journal of the American Medical Association*, **2017**, 317, 212-213	27.4	
80	The role of non-invasive cardiovascular imaging in the assessment of cardiovascular risk in rheumatoid arthritis: where we are and where we need to be. *Annals of the Rheumatic Diseases*, **2017**, 76, 1169-1175	2.4	27
79	Effect of cellular and extracellular pathology assessed by T1 mapping on regional contractile function in hypertrophic cardiomyopathy. *Journal of Cardiovascular Magnetic Resonance*, **2017**, 19, 16	6.9	24
78	The utility of global longitudinal strain in the identification of prior myocardial infarction in patients with preserved left ventricular ejection fraction. *International Journal of Cardiovascular Imaging*, **2017**, 33, 1561-1569	2.5	13
77	026 Dimensional flow cardiovascular magnetic resonance: two-centre, 1.5t, phantom and in-vivo validation study. *Heart*, **2017**, 103, A21.2-A22	5.1	
76	Extra-cellular expansion in the normal, non-infarcted myocardium is associated with worsening of regional myocardial function after acute myocardial infarction. *Journal of Cardiovascular Magnetic Resonance*, **2017**, 19, 73	6.9	19

75	A comparison of cardiovascular magnetic resonance and single photon emission computed tomography (SPECT) perfusion imaging in left main stem or equivalent coronary artery disease: a CE-MARC substudy. *Journal of Cardiovascular Magnetic Resonance*, **2017**, 19, 84	6.9	10
74	Myocardial strain and symptom severity in severe aortic stenosis: insights from cardiovascular magnetic resonance. *Quantitative Imaging in Medicine and Surgery*, **2017**, 7, 38-47	3.6	18
73	Diabetes Mellitus, Microalbuminuria, and Subclinical Cardiac Disease: Identification and Monitoring of Individuals at Risk of Heart Failure. *Journal of the American Heart Association*, **2017**, 6,	6	41
72	The 2016 update to NICE CG95 guideline for the -investigation of new onset stable chest pain: more -innovation, but at a cost?. *Clinical Medicine*, **2017**, 17, 209-211	1.9	10
71	Computational tools for clinical support: a multi-scale compliant model for haemodynamic simulations in an aortic dissection based on multi-modal imaging data. *Journal of the Royal Society Interface*, **2017**, 14,	4.1	36
70	Comparison of exercise testing and CMR measured myocardial perfusion reserve for predicting outcome in asymptomatic aortic stenosis: the PRognostic Importance of MIcrovascular Dysfunction in Aortic Stenosis (PRIMID AS) Study. *European Heart Journal*, **2017**, 38, 1222-1229	9.5	49
69	Acute Infarct Extracellular Volume Mapping to Quantify Myocardial Area at Risk and Chronic Infarct Size on Cardiovascular Magnetic Resonance Imaging. *Circulation: Cardiovascular Imaging*, **2017**, 10,	3.9	28
68	Cardiovascular magnetic resonance evaluation of symptomatic severe aortic stenosis: association of circumferential myocardial strain and mortality. *Journal of Cardiovascular Magnetic Resonance*, **2017**, 19, 13	6.9	22
67	The impact of trans-catheter aortic valve replacement induced left-bundle branch block on cardiac reverse remodeling. *Journal of Cardiovascular Magnetic Resonance*, **2017**, 19, 22	6.9	16
66	Formal consensus to identify clinically important changes in management resulting from the use of cardiovascular magnetic resonance (CMR) in patients who activate the primary percutaneous coronary intervention (PPCI) pathway. *BMJ Open*, **2017**, 7, e014627	3	4
65	Myocardial Extracellular Volume Estimation by CMR Predicts Functional Recovery Following Acute MI. *JACC: Cardiovascular Imaging*, **2017**, 10, 989-999	8.4	36
64	The role of left ventricular deformation in the assessment of microvascular obstruction and intramyocardial haemorrhage. *International Journal of Cardiovascular Imaging*, **2017**, 33, 361-370	2.5	12
63	Assessment of stable coronary artery disease by cardiovascular magnetic resonance imaging: Current and emerging techniques. *World Journal of Cardiology*, **2017**, 9, 92-108	2.1	13
62	Three-dimensional whole-heart vs. two-dimensional high-resolution perfusion-CMR: a pilot study comparing myocardial ischaemic burden. *European Heart Journal Cardiovascular Imaging*, **2016**, 17, 900-8	4.1	10
61	Cardiac T1 Mapping and Extracellular Volume (ECV) in clinical practice: a comprehensive review. *Journal of Cardiovascular Magnetic Resonance*, **2016**, 18, 89	6.9	326
60	Effect of Care Guided by Cardiovascular Magnetic Resonance, Myocardial Perfusion Scintigraphy, or NICE Guidelines on Subsequent Unnecessary Angiography Rates: The CE-MARC 2 Randomized Clinical Trial. *JAMA - Journal of the American Medical Association*, **2016**, 316, 1051-60	27.4	138
59	Right ventricular function following surgical aortic valve replacement and transcatheter aortic valve implantation: A cardiovascular MR study. *International Journal of Cardiology*, **2016**, 223, 639-644	3.2	11
58	Prognostic Value of Cardiovascular Magnetic Resonance and Single-Photon Emission Computed Tomography in Suspected Coronary Heart Disease: Long-Term Follow-up of a Prospective, Diagnostic Accuracy Cohort Study. *Annals of Internal Medicine*, **2016**, 165, 1-9	8	58

57	Infarct Size Following Treatment With Second- Versus Third-Generation P2Y12 Antagonists in Patients With Multivessel Coronary Disease at ST-Segment Elevation Myocardial Infarction in the CvLPRIT Study. *Journal of the American Heart Association*, **2016**, 5,	6	24
56	Investigation into diagnostic accuracy of common strategies for automated perfusion motion correction. *Journal of Medical Imaging*, **2016**, 3, 024002	2.6	1
55	A Novel and Practical Screening Tool for the Detection of Silent Myocardial Infarction in Patients With Type 2 Diabetes. *Journal of Clinical Endocrinology and Metabolism*, **2016**, 101, 3316-23	5.6	11
54	Assessment of aortic stiffness by cardiovascular magnetic resonance following the treatment of severe aortic stenosis by TAVI and surgical AVR. *Journal of Cardiovascular Magnetic Resonance*, **2016**, 18, 37	6.9	20
53	Coronary MR angiography at 3T: fat suppression versus water-fat separation. *Magnetic Resonance Materials in Physics, Biology, and Medicine*, **2016**, 29, 733-8	2.8	18
52	Relationship of Myocardial Strain and Markers of Myocardial Injury to Predict Segmental Recovery After Acute ST-Segment-Elevation Myocardial Infarction. *Circulation: Cardiovascular Imaging*, **2016**, 9,	3.9	17
51	Cardiac remodelling and function with primary mitral valve insufficiency studied by magnetic resonance imaging. *European Heart Journal Cardiovascular Imaging*, **2016**, 17, 863-70	4.1	21
50	Cost-effectiveness of functional cardiac imaging in the diagnostic work-up of coronary heart disease. *European Heart Journal Quality of Care & Clinical Outcomes*, **2016**, 2, 201-207	4.6	16
49	Noninvasive cardiac imaging in suspected acute coronary syndrome. *Nature Reviews Cardiology*, **2016**, 13, 266-75	14.8	10
48	Infarct size following complete revascularization in patients presenting with STEMI: a comparison of immediate and staged in-hospital non-infarct related artery PCI subgroups in the CvLPRIT study. *Journal of Cardiovascular Magnetic Resonance*, **2016**, 18, 85	6.9	8
47	Role of T1 Mapping in Inherited Cardiomyopathies. *European Cardiology Review*, **2016**, 11, 96-101	3.9	7
46	Cardiovascular Magnetic Resonance and Single-Photon Emission Computed Tomography in Suspected Coronary Heart Disease. *Annals of Internal Medicine*, **2016**, 165, 830-831	8	5
45	Athletic Cardiac Adaptation in Males Is a Consequence of Elevated Myocyte Mass. *Circulation: Cardiovascular Imaging*, **2016**, 9, e003579	3.9	64
44	The role of cardiovascular magnetic resonance in the assessment of severe aortic stenosis and in post-procedural evaluation following transcatheter aortic valve implantation and surgical aortic valve replacement. *Quantitative Imaging in Medicine and Surgery*, **2016**, 6, 259-73	3.6	8
43	Relationship between cardiac deformation parameters measured by cardiovascular magnetic resonance and aerobic fitness in endurance athletes. *Journal of Cardiovascular Magnetic Resonance*, **2016**, 18, 48	6.9	23
42	Cardiovascular Outcomes Following Rotational Atherectomy: A UK Multicentre Experience. *Catheterization and Cardiovascular Interventions*, **2016**, 88, 546-553	2.7	22
41	Ventricular longitudinal function is associated with microvascular obstruction and intramyocardial haemorrhage. *Open Heart*, **2016**, 3, e000337	3	7
40	Effects of Vitamin D on Cardiac Function in Patients With Chronic HF: The VINDICATE Study. *Journal of the American College of Cardiology*, **2016**, 67, 2593-603	15.1	132

39	Determination of Clinical Outcome in Mitral Regurgitation With Cardiovascular Magnetic Resonance Quantification. *Circulation*, **2016**, 133, 2287-96	16.7	98
38	Factors associated with false-negative cardiovascular magnetic resonance perfusion studies: A Clinical evaluation of magnetic resonance imaging in coronary artery disease (CE-MARC) substudy. *Journal of Magnetic Resonance Imaging*, **2016**, 43, 566-73	5.6	19
37	Sex-related differences in left ventricular remodeling in severe aortic stenosis and reverse remodeling after aortic valve replacement: A cardiovascular magnetic resonance study. *American Heart Journal*, **2016**, 175, 101-11	4.9	36
36	Strategies to attenuate micro-vascular obstruction during P-PCI: the randomized reperfusion facilitated by local adjunctive therapy in ST-elevation myocardial infarction trial. *European Heart Journal*, **2016**, 37, 1910-9	9.5	49
35	Acute Reverse Remodelling After Transcatheter Aortic Valve Implantation: A Link Between Myocardial Fibrosis and Left Ventricular Mass Regression. *Canadian Journal of Cardiology*, **2016**, 32, 1411-1418	3.8	20
34	Consequence of cerebral embolism after transcatheter aortic valve implantation compared with contemporary surgical aortic valve replacement: effect on health-related quality of life. *Circulation: Cardiovascular Interventions*, **2015**, 8, e001913	6	24
33	Aortic remodelling following the treatment and regression of hypertensive left ventricular hypertrophy: a cardiovascular magnetic resonance study. *Clinical and Experimental Hypertension*, **2015**, 37, 308-16	2.2	18
32	Comparison of semi-automated methods to quantify infarct size and area at risk by cardiovascular magnetic resonance imaging at 1.5T and 3.0T field strengths. *BMC Research Notes*, **2015**, 8, 52	2.3	23
31	Randomized trial of complete versus lesion-only revascularization in patients undergoing primary percutaneous coronary intervention for STEMI and multivessel disease: the CvLPRIT trial. *Journal of the American College of Cardiology*, **2015**, 65, 963-72	15.1	479
30	Splenic Switch-off: A Tool to Assess Stress Adequacy in Adenosine Perfusion Cardiac MR Imaging. *Radiology*, **2015**, 276, 732-40	20.5	45
29	Multiparametric relaxometry by cardiac magnetic resonance imaging in Takotsubo cardiomyopathy. *European Heart Journal Cardiovascular Imaging*, **2015**, 16, 1174	4.1	4
28	Important role of myocardial tissue characterization by cardiac MRI in diagnosing Takotsubo syndrome. *Nature Reviews Cardiology*, **2015**, 12, 669	14.8	1
27	Free-Wall Rupture Post-Reperfused Acute Myocardial Infarction: Insights From Multimodality Cardiovascular Imaging. *Circulation*, **2015**, 132, e245-7	16.7	6
26	Aortic valve replacement and the right ventricle--the plot thickens. *Journal of Thoracic and Cardiovascular Surgery*, **2015**, 150, 742-3	1.5	
25	Individual component analysis of the multi-parametric cardiovascular magnetic resonance protocol in the CE-MARC trial. *Journal of Cardiovascular Magnetic Resonance*, **2015**, 17, 59	6.9	11
24	3.0T, time-resolved, 3D flow-sensitive MR in the thoracic aorta: Impact of k-t BLAST acceleration using 8- versus 32-channel coil arrays. *Journal of Magnetic Resonance Imaging*, **2015**, 42, 495-504	5.6	12
23	Patient adaptive maximal resolution magnetic resonance myocardial stress perfusion imaging. *Journal of Magnetic Resonance Imaging*, **2015**, 42, 946-53	5.6	1
22	Sex Differences in Aortic Stenosis and Outcome Following Surgical and Transcatheter Aortic Valve Replacement. *Journal of Women's Health*, **2015**, 24, 986-95	3	15

21	Complete Versus Lesion-Only Primary PCI: The Randomized Cardiovascular MR CvLPRIT Substudy. *Journal of the American College of Cardiology*, **2015**, 66, 2713-2724	15.1	31
20	Rationale and design of the Clinical Evaluation of Magnetic Resonance Imaging in Coronary heart disease 2 trial (CE-MARC 2): a prospective, multicenter, randomized trial of diagnostic strategies in suspected coronary heart disease. *American Heart Journal*, **2015**, 169, 17-24.e1	4.9	17
19	The effect of changes to MOLLI scheme on T1 mapping and extra cellular volume calculation in healthy volunteers with 3 tesla cardiovascular magnetic resonance imaging. *Quantitative Imaging in Medicine and Surgery*, **2015**, 5, 503-10	3.6	14
18	Assessment of ischaemic burden in angiographic three-vessel coronary artery disease with high-resolution myocardial perfusion cardiovascular magnetic resonance imaging. *European Heart Journal Cardiovascular Imaging*, **2014**, 15, 701-8	4.1	18
17	Non-invasive vagus nerve stimulation in healthy humans reduces sympathetic nerve activity. *Brain Stimulation*, **2014**, 7, 871-7	5.1	209
16	The distribution and prognosis of anomalous coronary arteries identified by cardiovascular magnetic resonance: 15 year experience from two tertiary centres. *Journal of Cardiovascular Magnetic Resonance*, **2014**, 16, 34	6.9	35
15	Predictive power of late gadolinium enhancement for myocardial recovery in chronic ischaemic heart failure: a HEART sub-study. *ESC Heart Failure*, **2014**, 1, 146-153	3.7	8
14	Comparison of cardiovascular magnetic resonance and single-photon emission computed tomography in women with suspected coronary artery disease from the Clinical Evaluation of Magnetic Resonance Imaging in Coronary Heart Disease (CE-MARC) Trial. *Circulation*, **2014**, 129, 1129-38	16.7	121
13	Susceptibility-weighted cardiovascular magnetic resonance in comparison to T2 and T2 star imaging for detection of intramyocardial hemorrhage following acute myocardial infarction at 3 Tesla. *Journal of Cardiovascular Magnetic Resonance*, **2014**, 16, 86	6.9	15
12	Advances in cardiovascular magnetic resonance in ischaemic heart disease and non-ischaemic cardiomyopathies. *Heart*, **2014**, 100, 1722-33	5.1	17
11	The microvascular effects of insulin resistance and diabetes on cardiac structure, function, and perfusion: a cardiovascular magnetic resonance study. *European Heart Journal Cardiovascular Imaging*, **2014**, 15, 1368-76	4.1	41
10	Response to letter regarding article "comparison of cardiovascular magnetic resonance and single-photon emission computed tomography in women with suspected coronary artery disease from the Clinical Evaluation of Magnetic Resonance Imaging in Coronary Heart Disease (CE-MARC) trial". *Circulation*, **2014**, 130, e340	16.7	
9	Established and emerging cardiovascular magnetic resonance techniques for the assessment of stable coronary heart disease and acute coronary syndromes. *Quantitative Imaging in Medicine and Surgery*, **2014**, 4, 330-44	3.6	7
8	Cost-effectiveness of cardiovascular magnetic resonance in the diagnosis of coronary heart disease: an economic evaluation using data from the CE-MARC study. *Heart*, **2013**, 99, 873-81	5.1	70
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