John P Greenwood

List of Publications by Citations

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	Cardiovascular magnetic resonance and single-photon emission computed tomography for diagnosis of coronary heart disease (CE-MARC): a prospective trial. *Lancet, The*, **2012**, 379, 453-60	40	746
163	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
162	Cardiac T1 Mapping and Extracellular Volume (ECV) in clinical practice: a comprehensive review. *Journal of Cardiovascular Magnetic Resonance*, **2016**, 18, 89	6.9	326
161	Non-invasive vagus nerve stimulation in healthy humans reduces sympathetic nerve activity. *Brain Stimulation*, **2014**, 7, 871-7	5.1	209
160	Diffusion-weighted MRI determined cerebral embolic infarction following transcatheter aortic valve implantation: assessment of predictive risk factors and the relationship to subsequent health status. *Heart*, **2012**, 98, 18-23	5.1	143
159	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
158	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
157	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
156	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
155	Myocardial Scar and Mortality in Severe Aortic Stenosis. *Circulation*, **2018**, 138, 1935-1947	16.7	102
154	Determination of Clinical Outcome in Mitral Regurgitation With Cardiovascular Magnetic Resonance Quantification. *Circulation*, **2016**, 133, 2287-96	16.7	98
153	High spatial resolution myocardial perfusion cardiac magnetic resonance for the detection of coronary artery disease. *European Heart Journal*, **2008**, 29, 2148-55	9.5	88
152	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
151	Extracellular Myocardial Volume in Patients With Aortic Stenosis. *Journal of the American College of Cardiology*, **2020**, 75, 304-316	15.1	69
150	Timing of cardiovascular MR imaging after acute myocardial infarction: effect on estimates of infarct characteristics and prediction of late ventricular remodeling. *Radiology*, **2011**, 261, 116-26	20.5	65
149	Athletic Cardiac Adaptation in Males Is a Consequence of Elevated Myocyte Mass. *Circulation: Cardiovascular Imaging*, **2016**, 9, e003579	3.9	64
148	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

147	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
146	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
145	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
144	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
143	Splenic Switch-off: A Tool to Assess Stress Adequacy in Adenosine Perfusion Cardiac MR Imaging. *Radiology*, **2015**, 276, 732-40	20.5	45
142	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
141	Clinical evaluation of magnetic resonance imaging in coronary heart disease: the CE-MARC study. *Trials*, **2009**, 10, 62	2.8	43
140	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
139	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
138	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
137	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
136	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
135	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
134	Myocardial Extracellular Volume Estimation by CMR Predicts Functional Recovery Following Acute MI. *JACC: Cardiovascular Imaging*, **2017**, 10, 989-999	8.4	36
133	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
132	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
131	Symptom Onset in Aortic Stenosis: Relation to Sex Differences in Left Ventricular Remodeling. *JACC: Cardiovascular Imaging*, **2019**, 12, 96-105	8.4	35
130	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

129	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
128	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
127	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
126	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
125	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
124	Cardiovascular magnetic resonance of scar and ischemia burden early after acute ST elevation and non-ST elevation myocardial infarction. *Journal of Cardiovascular Magnetic Resonance*, **2008**, 10, 47	6.9	28
123	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
122	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
121	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
120	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
119	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
118	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
117	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
116	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
115	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
114	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
113	Cardiovascular Outcomes Following Rotational Atherectomy: A UK Multicentre Experience. *Catheterization and Cardiovascular Interventions*, **2016**, 88, 546-553	2.7	22
112	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

111	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
110	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
109	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
108	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
107	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
106	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
105	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
104	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
103	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
102	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
101	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
100	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
99	Advances in cardiovascular magnetic resonance in ischaemic heart disease and non-ischaemic cardiomyopathies. *Heart*, **2014**, 100, 1722-33	5.1	17
98	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
97	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
96	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
95	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
94	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

93	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
92	Multimodality imaging for the quantitative assessment of mitral regurgitation. *Quantitative Imaging in Medicine and Surgery*, **2018**, 8, 342-359	3.6	14
91	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
90	Sex differences in left ventricular remodelling, myocardial fibrosis and mortality after aortic valve replacement. *Heart*, **2019**, 105, 1818-1824	5.1	13
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	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
87	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
86	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
85	Role of cardiovascular magnetic resonance in the management of patients with stable coronary artery disease. *Heart*, **2018**, 104, 888-894	5.1	12
84	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
83	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
82	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
81	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
80	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
79	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
78	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
77	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
76	Noninvasive cardiac imaging in suspected acute coronary syndrome. *Nature Reviews Cardiology*, **2016**, 13, 266-75	14.8	10

75	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
74	Cardiac Imaging in the Post-ISCHEMIA Trial Era: A Multisociety Viewpoint. *JACC: Cardiovascular Imaging*, **2020**, 13, 1815-1833	8.4	10
73	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
72	Exercise cardiovascular magnetic resonance: development, current utility and future applications. *Journal of Cardiovascular Magnetic Resonance*, **2020**, 22, 65	6.9	9
71	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
70	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
69	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
68	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
67	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
66	Super-Resolution of Cardiac MR Cine Imaging using Conditional GANs and Unsupervised Transfer Learning. *Medical Image Analysis*, **2021**, 71, 102037	15.4	8
65	Role of T1 Mapping in Inherited Cardiomyopathies. *European Cardiology Review*, **2016**, 11, 96-101	3.9	7
64	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
63	Ventricular longitudinal function is associated with microvascular obstruction and intramyocardial haemorrhage. *Open Heart*, **2016**, 3, e000337	3	7
62	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
61	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
60	Free-Wall Rupture Post-Reperfused Acute Myocardial Infarction: Insights From Multimodality Cardiovascular Imaging. *Circulation*, **2015**, 132, e245-7	16.7	6
59	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
58	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

57	Rapid Cardiovascular Magnetic Resonance for Ischemic Heart Disease Investigation (RAPID-IHD). *JACC: Cardiovascular Imaging*, **2020**, 13, 1632-1634	8.4	5
56	Cardiovascular magnetic resonance assessment of 1st generation CoreValve and 2nd generation Lotus valves. *Journal of Interventional Cardiology*, **2018**, 31, 391-399	1.8	5
55	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
54	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
53	Percutaneous closure of postinfarction ventricular septal defect: cardiac magnetic resonance-guided case selection and postprocedure evaluation. *Canadian Journal of Cardiology*, **2011**, 27, 869.e3-5	3.8	5
52	Cardiovascular Magnetic Resonance and Single-Photon Emission Computed Tomography in Suspected Coronary Heart Disease. *Annals of Internal Medicine*, **2016**, 165, 830-831	8	5
51	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
50	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
49	Multiparametric relaxometry by cardiac magnetic resonance imaging in Takotsubo cardiomyopathy. *European Heart Journal Cardiovascular Imaging*, **2015**, 16, 1174	4.1	4
48	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
47	Abnormal electrophysiological testing associates with future incidental significant arrhythmia in scleroderma. *Rheumatology*, **2020**, 59, 899-900	3.9	4
46	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
45	Predictors of subclinical systemic sclerosis primary heart involvement characterised by microvasculopathy and myocardial fibrosis. *Rheumatology*, **2021**, 60, 2934-2945	3.9	4
44	Cost-effectiveness of cardiovascular imaging for stable coronary heart disease. *Heart*, **2021**, 107, 381-388	5.1	4
43	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
42	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
41	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
40	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

39	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
38	Aortic stiffness in aortic stenosis assessed by cardiovascular MRI: a comparison between bicuspid and tricuspid valves. *European Radiology*, **2019**, 29, 2340-2349	8	3
37	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
36	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
35	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
34	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
33	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
32	Acute Microstructural Changes after ST-Segment Elevation Myocardial Infarction Assessed with Diffusion Tensor Imaging. *Radiology*, **2021**, 299, 86-96	20.5	2
31	Regional variation in cardiovascular magnetic resonance service delivery across the UK. *Heart*, **2021**, 107, 1974-1979	5.1	2
30	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
29	The British Cardiovascular Society Annual Conference 2019. *European Heart Journal*, **2019**, 40, 2932-2934	9.5	1
28	Important role of myocardial tissue characterization by cardiac MRI in diagnosing Takotsubo syndrome. *Nature Reviews Cardiology*, **2015**, 12, 669	14.8	1
27	Investigation into diagnostic accuracy of common strategies for automated perfusion motion correction. *Journal of Medical Imaging*, **2016**, 3, 024002	2.6	1
26	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
25	Patient adaptive maximal resolution magnetic resonance myocardial stress perfusion imaging. *Journal of Magnetic Resonance Imaging*, **2015**, 42, 946-53	5.6	1
24	Bullying in UK cardiology: a systemic problem requiring systemic solutions. *Heart*, **2021**,	5.1	1
23	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
22	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

21	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
20	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
19	Multiple Etiologies to Myocardial Injury in COVID-19. *JACC: Case Reports*, **2021**, 3, 971-972	1.2	1
18	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
17	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
16	Reproducibility of left ventricular blood flow kinetic energy measured by four-dimensional flow CMR. *BMC Research Notes*, **2021**, 14, 289	2.3	1
15	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
14	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
13	Short-term adverse remodeling progression in asymptomatic aortic stenosis. *European Radiology*, **2021**, 31, 3923-3930	8	0
12	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
11	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
10	Alternatives in the Evaluation of Suspected Coronary Heart Disease-Reply. *JAMA - Journal of the American Medical Association*, **2017**, 317, 212-213	27.4	
9	026 Dimensional flow cardiovascular magnetic resonance: two-centre, 1.5t, phantom and in-vivo validation study. *Heart*, **2017**, 103, A21.2-A22	5.1	
8	Aortic valve replacement and the right ventricle--the plot thickens. *Journal of Thoracic and Cardiovascular Surgery*, **2015**, 150, 742-3	1.5	
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