

# Stefan Neubauer

## List of Publications by Year in descending order

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Version: 2024-02-01

231  
papers

17,754  
citations

18482

62  
h-index

16650

123  
g-index

242  
all docs

242  
docs citations

242  
times ranked

19491  
citing authors

#	ARTICLE	IF	CITATIONS
1	Diagnostic accuracy of non-invasive tests for advanced fibrosis in patients with NAFLD: an individual patient data meta-analysis. Gut, 2022, 71, 1006-1019.	12.1	195
2	Associations of cognitive performance with cardiovascular magnetic resonance phenotypes in the UK Biobank. European Heart Journal Cardiovascular Imaging, 2022, 23, 663-672.	1.2	12
3	Adverse right ventricular remodelling, function, and stress responses in obesity: insights from cardiovascular magnetic resonance. European Heart Journal Cardiovascular Imaging, 2022, 23, 1383-1390.	1.2	12
4	Multimodality imaging approach to left ventricular dysfunction in diabetes: an expert consensus document from the European Association of Cardiovascular Imaging. European Heart Journal Cardiovascular Imaging, 2022, 23, e62-e84.	1.2	16
5	Light to moderate coffee consumption is associated with lower risk of death: a UK Biobank study. European Journal of Preventive Cardiology, 2022, 29, 982-991.	1.8	20
6	Long COVID: post-acute sequelae of COVID-19 with a cardiovascular focus. European Heart Journal, 2022, 43, 1157-1172.	2.2	297
7	Left atrial structure and function are associated with cardiovascular outcomes independent of left ventricular measures: a UK Biobank CMR study. European Heart Journal Cardiovascular Imaging, 2022, 23, 1191-1200.	1.2	24
8	Postvaccine Myocarditis: A Risk Worth the Reward?. Radiology, 2022, 304, 563-565.	7.3	1
9	Improving robustness of automatic cardiac function quantification from cine magnetic resonance imaging using synthetic image data. Scientific Reports, 2022, 12, 2391.	3.3	3
10	Fairness in Cardiac Magnetic Resonance Imaging: Assessing Sex and Racial Bias in Deep Learning-Based Segmentation. Frontiers in Cardiovascular Medicine, 2022, 9, 859310.	2.4	26
11	Society for Cardiovascular Magnetic Resonance (SCMR) guidelines for reporting cardiovascular magnetic resonance examinations. Journal of Cardiovascular Magnetic Resonance, 2022, 24, 29.	3.3	13
12	Automatic 3D+t four-chamber CMR quantification of the UK biobank: integrating imaging and non-imaging data priors at scale. Medical Image Analysis, 2022, 80, 102498.	11.6	7
13	Pericardial adiposity is independently linked to adverse cardiovascular phenotypes: a CMR study of 42 598 UK Biobank participants. European Heart Journal Cardiovascular Imaging, 2022, 23, 1471-1481.	1.2	10
14	Data-driven modelling of mutational hotspots and in silico predictors in hypertrophic cardiomyopathy. Journal of Medical Genetics, 2021, 58, 556-564.	3.2	2
15	Sex-specific associations between alcohol consumption, cardiac morphology, and function as assessed by magnetic resonance imaging: insights from the UK Biobank Population Study. European Heart Journal Cardiovascular Imaging, 2021, 22, 1009-1016.	1.2	4
16	Cardiovascular magnetic resonance imaging in the UK Biobank: a major international health research resource. European Heart Journal Cardiovascular Imaging, 2021, 22, 251-258.	1.2	32
17	Recovering from missing data in population imaging – Cardiac MR image imputation via conditional generative adversarial nets. Medical Image Analysis, 2021, 67, 101812.	11.6	14
18	Liver cT1 decreases following direct-acting antiviral therapy in patients with chronic hepatitis C virus. Abdominal Radiology, 2021, 46, 1947-1957.	2.1	11

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19	Quantifying the effect of dobutamine stress on myocardial Pi and pH in healthy volunteers: A <sup>31</sup> P MRS study at 7T. Magnetic Resonance in Medicine, 2021, 85, 1147-1159.	3.0	12
20	Common genetic variants and modifiable risk factors underpin hypertrophic cardiomyopathy susceptibility and expressivity. Nature Genetics, 2021, 53, 135-142.	21.4	165
21	Medium-term effects of SARS-CoV-2 infection on multiple vital organs, exercise capacity, cognition, quality of life and mental health, post-hospital discharge. EClinicalMedicine, 2021, 31, 100683.	7.1	435
22	Adverse cardiovascular magnetic resonance phenotypes are associated with greater likelihood of incident coronavirus disease 2019: findings from the UK Biobank. Aging Clinical and Experimental Research, 2021, 33, 1133-1144.	2.9	17
23	Subtle Role for Adenylate Kinase 1 in Maintaining Normal Basal Contractile Function and Metabolism in the Murine Heart. Frontiers in Physiology, 2021, 12, 623969.	2.8	3
24	Left atrial 4D flow cardiovascular magnetic resonance: a reproducibility study in sinus rhythm and atrial fibrillation. Journal of Cardiovascular Magnetic Resonance, 2021, 23, 29.	3.3	14
25	Quality assurance of quantitative cardiac T1-mapping in multicenter clinical trials – A T1 phantom program from the hypertrophic cardiomyopathy registry (HCMR) study. International Journal of Cardiology, 2021, 330, 251-258.	1.7	21
26	Associations of Meat and Fish Consumption With Conventional and Radiomics Cardiovascular Magnetic Resonance Phenotypes in the UK Biobank. Frontiers in Cardiovascular Medicine, 2021, 8, 667849.	2.4	7
27	Subclinical Changes in Cardiac Functional Parameters as Determined by Cardiovascular Magnetic Resonance (CMR) Imaging in Sleep Apnea and Snoring: Findings from UK Biobank. Medicina (Lithuania), 2021, 57, 555.	2.0	3
28	Design and rationale of the EMPA-VISION trial: investigating the metabolic effects of empagliflozin in patients with heart failure. ESC Heart Failure, 2021, 8, 2580-2590.	3.1	18
29	Fat-Secreted Ceramides Regulate Vascular Redox State and Influence Outcomes in Patients With Cardiovascular Disease. Journal of the American College of Cardiology, 2021, 77, 2494-2513.	2.8	59
30	Cardiovascular magnetic resonance stress and rest T1-mapping using regadenoson for detection of ischemic heart disease compared to healthy controls. International Journal of Cardiology, 2021, 333, 239-245.	1.7	13
31	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.	3.3	14
32	...Radiotranscriptomic analysis of perivascular adipose tissue quantifies vascular inflammation in covid-19 from routine CT angiograms: Stratification of a new UK variant – Infection and prediction of in-hospital outcomes. , 2021, , .		1
33	Cardiac stress T1-mapping response and extracellular volume stability of MOLLI-based T1-mapping methods. Scientific Reports, 2021, 11, 13568.	3.3	9
34	Rationale and design of the African Cardiomyopathy and Myocarditis Registry Program: The IMHOTEP study. International Journal of Cardiology, 2021, 333, 119-126.	1.7	5
35	Maximal Wall Thickness Measurement in Hypertrophic Cardiomyopathy. JACC: Cardiovascular Imaging, 2021, 14, 2123-2134.	5.3	18
36	Automated Quality-Controlled Cardiovascular Magnetic Resonance Pericardial Fat Quantification Using a Convolutional Neural Network in the UK Biobank. Frontiers in Cardiovascular Medicine, 2021, 8, 677574.	2.4	14

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37	Deep neural network ensemble for on-the-fly quality control-driven segmentation of cardiac MRI T1 mapping. Medical Image Analysis, 2021, 71, 102029.	11.6	49
38	Super-Resolution of Cardiac MR Cine Imaging using Conditional GANs and Unsupervised Transfer Learning. Medical Image Analysis, 2021, 71, 102037.	11.6	33
39	Standardized measurement of coronary inflammation using cardiovascular computed tomography: integration in clinical care as a prognostic medical device. Cardiovascular Research, 2021, 117, 2677-2690.	3.8	26
40	Association of Preterm Birth With Myocardial Fibrosis and Diastolic Dysfunction in Young Adulthood. Journal of the American College of Cardiology, 2021, 78, 683-692.	2.8	34
41	Prospective evaluation of the prevalence of non-alcoholic fatty liver disease and steatohepatitis in a large middle-aged US cohort. Journal of Hepatology, 2021, 75, 284-291.	3.7	124
42	Obesity modifies the energetic phenotype of dilated cardiomyopathy. European Heart Journal, 2021, , .	2.2	16
43	Diagnostic accuracy of elastography and magnetic resonance imaging in patients with NAFLD: A systematic review and meta-analysis. Journal of Hepatology, 2021, 75, 770-785.	3.7	149
44	Shape registration with learned deformations for 3D shape reconstruction from sparse and incomplete point clouds. Medical Image Analysis, 2021, 74, 102228.	11.6	17
45	Cardiovascular magnetic resonance reference values of mitral and tricuspid annular dimensions: the UK Biobank cohort. Journal of Cardiovascular Magnetic Resonance, 2021, 23, 5.	3.3	21
46	The impact of atrial fibrillation and stroke risk factors on left atrial blood flow characteristics. European Heart Journal Cardiovascular Imaging, 2021, 23, 115-123.	1.2	12
47	Incremental value of left atrial booster and reservoir strain in predicting atrial fibrillation in patients with hypertrophic cardiomyopathy: a cardiovascular magnetic resonance study. Journal of Cardiovascular Magnetic Resonance, 2021, 23, 109.	3.3	14
48	Symptom Persistence Despite Improvement in Cardiopulmonary Health â€“ Insights from longitudinal CMR, CPET and lung function testing post-COVID-19. EClinicalMedicine, 2021, 41, 101159.	7.1	87
49	Physical, cognitive, and mental health impacts of COVID-19 after hospitalisation (PHOSP-COVID): a UK multicentre, prospective cohort study. Lancet Respiratory Medicine, the, 2021, 9, 1275-1287.	10.7	394
50	Adapting the UK Biobank Brain Imaging Protocol and Analysis Pipeline for the C-MORE Multi-Organ Study of COVID-19 Survivors. Frontiers in Neurology, 2021, 12, 753284.	2.4	16
51	9â€¦Identification of thirty novel loci for cardiovascular magnetic resonance derived aortic distensibility in the UK Biobank. , 2021, , .		0
52	17â€¦Participants with diabetes mellitus have preserved metabolic flexibility. , 2021, , .		0
53	Energetic Basis for Exercise-Induced Pulmonary Congestion in Heart Failure With Preserved Ejection Fraction. Circulation, 2021, 144, 1664-1678.	1.6	48
54	Association Between Sarcomeric Variants in Hypertrophic Cardiomyopathy and Myocardial Oxygenation: Insights From a Novel Oxygen-Sensitive Cardiovascular Magnetic Resonance Approach. Circulation, 2021, 144, 1656-1658.	1.6	4

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55	Cardiac Magnetic Resonance Radiomics Reveal Differential Impact of Sex, Age, and Vascular Risk Factors on Cardiac Structure and Myocardial Tissue. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 763361.	2.4	10
56	Myocardial Energy Response to Glyceryl Trinitrate: Physiology Revisited. <i>Frontiers in Physiology</i> , 2021, 12, 790525.	2.8	3
57	Myocardial Tissue Characterization and Fibrosis by Imaging. <i>JACC: Cardiovascular Imaging</i> , 2020, 13, 1221-1234.	5.3	111
58	Standardized image post-processing of cardiovascular magnetic resonance T1-mapping reduces variability and improves accuracy and consistency in myocardial tissue characterization. <i>International Journal of Cardiology</i> , 2020, 298, 128-134.	1.7	16
59	Improving cardiac MRI convolutional neural network segmentation on small training datasets and dataset shift: A continuous kernel cut approach. <i>Medical Image Analysis</i> , 2020, 61, 101636.	11.6	42
60	Sodium-glucose cotransporter 2 inhibition does not reduce hepatic steatosis in overweight, insulin-resistant patients without type 2 diabetes. <i>JGH Open</i> , 2020, 4, 433-440.	1.6	10
61	The cardiac sympathetic co-transmitter neuropeptide Y is pro-arrhythmic following ST-elevation myocardial infarction despite beta-blockade. <i>European Heart Journal</i> , 2020, 41, 2168-2179.	2.2	53
62	The Effect of Blood Lipids on the Left Ventricle. <i>Journal of the American College of Cardiology</i> , 2020, 76, 2477-2488.	2.8	26
63	Perivascular Fat Attenuation Index Stratifies Cardiac Risk Associated With High-Risk Plaques in the CRISP-CT Study. <i>Journal of the American College of Cardiology</i> , 2020, 76, 755-757.	2.8	59
64	Obesity-related ventricular remodelling is exacerbated in dilated and hypertrophic cardiomyopathy. <i>Cardiovascular Diagnosis and Therapy</i> , 2020, 10, 559-567.	1.7	9
65	The Importance of the Fatty Acid Transporter L-Carnitine in Non-Alcoholic Fatty Liver Disease (NAFLD). <i>Nutrients</i> , 2020, 12, 2178.	4.1	42
66	Prognostic value of multiparametric magnetic resonance imaging, transient elastography and blood-based fibrosis markers in patients with chronic liver disease. <i>Liver International</i> , 2020, 40, 3071-3082.	3.9	37
67	Radiomics Signatures of Cardiovascular Risk Factors in Cardiac MRI: Results From the UK Biobank. <i>Frontiers in Cardiovascular Medicine</i> , 2020, 7, 591368.	2.4	32
68	Nicotinic acid receptor agonists impair myocardial contractility by energy starvation. <i>FASEB Journal</i> , 2020, 34, 14878-14891.	0.5	3
69	A population-based phenome-wide association study of cardiac and aortic structure and function. <i>Nature Medicine</i> , 2020, 26, 1654-1662.	30.7	98
70	Non-invasive investigation of myocardial energetics in cardiac disease using <sup>31</sup> P magnetic resonance spectroscopy. <i>Cardiovascular Diagnosis and Therapy</i> , 2020, 10, 625-635.	1.7	11
71	Uncovering the skeleton in the heart: an unusual case of mitral annular calcification extending to the left ventricular myocardium. <i>European Heart Journal Cardiovascular Imaging</i> , 2020, 21, 1301-1301.	1.2	0
72	The UK Biobank imaging enhancement of 100,000 participants: rationale, data collection, management and future directions. <i>Nature Communications</i> , 2020, 11, 2624.	12.8	324

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73	Male sex adversely affects the phenotypic expression of diabetic heart disease. Therapeutic Advances in Endocrinology and Metabolism, 2020, 11, 204201882092717.	3.2	6
74	Reevaluation of the South Asian <i>MYBPC3</i> <sup>125bp</sup> Intronic Deletion in Hypertrophic Cardiomyopathy. Circulation Genomic and Precision Medicine, 2020, 13, e002783.	3.6	31
75	Myocardial Energetics in Obesity. Circulation, 2020, 141, 1152-1163.	1.6	49
76	Improving the Generalizability of Convolutional Neural Network-Based Segmentation on CMR Images. Frontiers in Cardiovascular Medicine, 2020, 7, 105.	2.4	74
77	Noninvasive In Vivo Assessment of Cardiac Metabolism in the Healthy and Diabetic Human Heart Using Hyperpolarized <sup>13</sup> C MRI. Circulation Research, 2020, 126, 725-736.	4.5	105
78	Fully Automated Myocardial Strain Estimation from Cardiovascular MRI- <sup>1</sup> tagged Images Using a Deep Learning Framework in the UK Biobank. Radiology: Cardiothoracic Imaging, 2020, 2, e190032.	2.5	29
79	Age-Dependent Decline in Cardiac Function in Guanidinoacetate-N-Methyltransferase Knockout Mice. Frontiers in Physiology, 2020, 10, 1535.	2.8	11
80	Overexpression of mitochondrial creatine kinase preserves cardiac energetics without ameliorating murine chronic heart failure. Basic Research in Cardiology, 2020, 115, 12.	5.9	29
81	Genome-wide and Mendelian randomisation studies of liver MRI yield insights into the pathogenesis of steatohepatitis. Journal of Hepatology, 2020, 73, 241-251.	3.7	83
82	Poor Bone Quality is Associated With Greater Arterial Stiffness: Insights From the UK Biobank. Journal of Bone and Mineral Research, 2020, 36, 90-99.	2.8	11
83	Magnetic resonance phase contrast velocity mapping for flow quantification in irregular heart rhythms using radial k-space ultrashort echo time imaging. International Journal of Cardiology, 2020, 317, 211-215.	1.7	1
84	Cardiac Energetics in Patients With Aortic Stenosis and Preserved Versus Reduced Ejection Fraction. Circulation, 2020, 141, 1971-1985.	1.6	18
85	Response by Peterzan et al to Letter Regarding Article, "Cardiac Energetics in Patients With Aortic Stenosis and Preserved Versus Reduced Ejection Fraction". Circulation, 2020, 142, e377-e378.	1.6	0
86	Abstract 16467: A Novel CT-derived Radiotranscriptomic Signature of Perivascular Adipose Tissue Stratifies COVID-19 Vascular Cytokine Burst and Predicts in Hospital Outcomes. Circulation, 2020, 142, .	1.6	1
87	Non-invasive assessment of portal hypertension by multi-parametric magnetic resonance imaging of the spleen: A proof of concept study. PLoS ONE, 2019, 14, e0221066.	2.5	27
88	Right ventricular shape and function: cardiovascular magnetic resonance reference morphology and biventricular risk factor morphometrics in UK Biobank. Journal of Cardiovascular Magnetic Resonance, 2019, 21, 41.	3.3	47
89	Distinct Subgroups in Hypertrophic Cardiomyopathy in the NHLBI HCM Registry. Journal of the American College of Cardiology, 2019, 74, 2333-2345.	2.8	152
90	Does self-reported pregnancy loss identify women at risk of an adverse cardiovascular phenotype in later life? Insights from UK Biobank. PLoS ONE, 2019, 14, e0223125.	2.5	3

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91	A novel machine learning-derived radiotranscriptomic signature of perivascular fat improves cardiac risk prediction using coronary CT angiography. <i>European Heart Journal</i> , 2019, 40, 3529-3543.	2.2	268
92	Changes in Cardiac Morphology and Function in Individuals With Diabetes Mellitus. <i>Circulation: Cardiovascular Imaging</i> , 2019, 12, e009476.	2.6	43
93	Genome-Wide Analysis of Left Ventricular Image-Derived Phenotypes Identifies Fourteen Loci Associated With Cardiac Morphogenesis and Heart Failure Development. <i>Circulation</i> , 2019, 140, 1318-1330.	1.6	138
94	Marked variation in heritability estimates of left ventricular mass depending on modality of measurement. <i>Scientific Reports</i> , 2019, 9, 13556.	3.3	3
95	Acute Microvascular Impairment Post-Reperused STEMI Is Reversible and Has Additional Clinical Predictive Value. <i>JACC: Cardiovascular Imaging</i> , 2019, 12, 1783-1793.	5.3	25
96	Quantitative CMR population imaging on 20,000 subjects of the UK Biobank imaging study: LV/RV quantification pipeline and its evaluation. <i>Medical Image Analysis</i> , 2019, 56, 26-42.	11.6	41
97	Genetic studies of abdominal MRI data identify genes regulating hepcidin as major determinants of liver iron concentration. <i>Journal of Hepatology</i> , 2019, 71, 594-602.	3.7	23
98	Left Ventricular Flow Analysis. <i>Circulation: Cardiovascular Imaging</i> , 2019, 12, e008130.	2.6	41
99	Pirfenidone in Heart Failure with Preserved Ejection Fraction—Rationale and Design of the PIROUETTE Trial. <i>Cardiovascular Drugs and Therapy</i> , 2019, 33, 461-470.	2.6	48
100	Identification of Myocardial Disarray in Patients With Hypertrophic Cardiomyopathy and Ventricular Arrhythmias. <i>Journal of the American College of Cardiology</i> , 2019, 73, 2493-2502.	2.8	88
101	Automated quality control in image segmentation: application to the UK Biobank cardiovascular magnetic resonance imaging study. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2019, 21, 18.	3.3	78
102	Measuring inorganic phosphate and intracellular pH in the healthy and hypertrophic cardiomyopathy hearts by in vivo 7T 31P-cardiovascular magnetic resonance spectroscopy. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2019, 21, 19.	3.3	35
103	Neuropeptide-Y causes coronary microvascular constriction and is associated with reduced ejection fraction following ST-elevation myocardial infarction. <i>European Heart Journal</i> , 2019, 40, 1920-1929.	2.2	58
104	Localized rest and stress human cardiac creatine kinase reaction kinetics at 3T. <i>NMR in Biomedicine</i> , 2019, 32, e4085.	2.8	16
105	Combined T1-mapping and tissue tracking analysis predicts severity of ischemic injury following acute STEMI—an Oxford Acute Myocardial Infarction (OxAMI) study. <i>International Journal of Cardiovascular Imaging</i> , 2019, 35, 1297-1308.	1.5	15
106	Independent Left Ventricular Morphometric Atlases Show Consistent Relationships with Cardiovascular Risk Factors: A UK Biobank Study. <i>Scientific Reports</i> , 2019, 9, 1130.	3.3	43
107	Automated localization and quality control of the aorta in cine CMR can significantly accelerate processing of the UK Biobank population data. <i>PLoS ONE</i> , 2019, 14, e0212272.	2.5	26
108	RV function deteriorates earlier than LV function and predicts adverse cardiovascular outcomes. , 2019, , .		0



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109	Validation of Cardiovascular Magnetic Resonanceâ€œDerived Equation for Predicted Left Ventricular Mass Using the UK Biobank Imaging Cohort. <i>Circulation: Heart Failure</i> , 2019, 12, e006362.	3.9	8
110	Very low calorie diets are associated with transient ventricular impairment before reversal of diastolic dysfunction in obesity. <i>International Journal of Obesity</i> , 2019, 43, 2536-2544.	3.4	12
111	Progression of myocardial fibrosis in hypertrophic cardiomyopathy: mechanisms and clinical implications. <i>European Heart Journal Cardiovascular Imaging</i> , 2019, 20, 157-167.	1.2	92
112	Cardiovascular magnetic resonance characterization of myocardial and vascular function in rheumatoid arthritis patients. <i>Hellenic Journal of Cardiology</i> , 2019, 60, 28-35.	1.0	17
113	Over-expression of mitochondrial creatine kinase in the murine heart improves functional recovery and protects against injury following ischaemiaâ€œreperfusion. <i>Cardiovascular Research</i> , 2018, 114, 858-869.	3.8	33
114	MECHANISMS IN ENDOCRINOLOGY: Diabetic cardiomyopathy: pathophysiology and potential metabolic interventions state of the art review. <i>European Journal of Endocrinology</i> , 2018, 178, R127-R139.	3.7	52
115	Noninvasive Immunometabolic Cardiac Inflammation Imaging Using Hyperpolarized Magnetic Resonance. <i>Circulation Research</i> , 2018, 122, 1084-1093.	4.5	64
116	Hyperpolarised magnetic resonance for in vivo real-time metabolic imaging. <i>Heart</i> , 2018, 104, 1484-1491.	2.9	23
117	Test-retest variability of left ventricular 4D flow cardiovascular magnetic resonance measurements in healthy subjects. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2018, 20, 15.	3.3	35
118	Differential flow improvements after valve replacements in bicuspid aortic valve disease: a cardiovascular magnetic resonance assessment. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2018, 20, 10.	3.3	37
119	Physiological Stress Elicits Impairedâ€œLeftâ€œVentricular Function inâ€œPreterm-Born Adults. <i>Journal of the American College of Cardiology</i> , 2018, 71, 1347-1356.	2.8	96
120	Fully-automated left ventricular mass and volume MRI analysis in the UK Biobank population cohort: evaluation of initial results. <i>International Journal of Cardiovascular Imaging</i> , 2018, 34, 281-291.	1.5	46
121	State-of-the-art review: stress T1 mappingâ€œtechnical considerations, pitfalls and emerging clinical applications. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2018, 31, 131-141.	2.0	42
122	Myocardial Perfusion Is Impaired and Relates to Cardiac Dysfunction in Patients With Atrial Fibrillation Both Before and After Successful Catheter Ablation. <i>Journal of the American Heart Association</i> , 2018, 7, e009218.	3.7	26
123	The interplay between metabolic alterations, diastolic strain rate and exercise capacity in mild heart failure with preserved ejection fraction: a cardiovascular magnetic resonance study. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2018, 20, 88.	3.3	51
124	Discrepancy Between Pathological Progression and Clinical Stability in a Young Patient With Hypertrophic Cardiomyopathy. <i>Circulation: Cardiovascular Imaging</i> , 2018, 11, e008154.	2.6	1
125	Electrocardiogram phenotypes in hypertrophic cardiomyopathy caused by distinct mechanisms: apico-basal repolarization gradients vs. Purkinje-myocardial coupling abnormalities. <i>Europace</i> , 2018, 20, iii102-iii112.	1.7	29
126	Automated cardiovascular magnetic resonance image analysis with fully convolutional networks. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2018, 20, 65.	3.3	468



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127	Utility and variability of three non-invasive liver fibrosis imaging modalities to evaluate efficacy of GR-MD-02 in subjects with NASH and bridging fibrosis during a phase-2 randomized clinical trial. PLoS ONE, 2018, 13, e0203054.	2.5	55
128	Data on uncoupling protein-3 levels, hypoxia, low flow ischemia, and insulin stimulation in dystrophin-deficient mdx mouse hearts. Data in Brief, 2018, 20, 277-280.	1.0	0
129	Imaging endpoints for non-alcoholic steatohepatitis (NASH) therapeutic trials: A growing role for multiparametric MRI?. Journal of Hepatology, 2018, 69, 755-756.	3.7	1
130	Anti-TNF modulation reduces myocardial inflammation and improves cardiovascular function in systemic rheumatic diseases. International Journal of Cardiology, 2018, 270, 253-259.	1.7	58
131	Rationale and design of a multicentre, randomized, placebo-controlled trial of mirabegron, a Beta3-adrenergic receptor agonist on left ventricular mass and diastolic function in patients with structural heart disease Beta3-left ventricular hypertrophy (Beta3-LVH). ESC Heart Failure, 2018, 5, 830-841.	3.1	29
132	Association Between Ambient Air Pollution and Cardiac Morpho-Functional Phenotypes. Circulation, 2018, 138, 2175-2186.	1.6	70
133	Distinct ECG Phenotypes Identified in Hypertrophic Cardiomyopathy Using Machine Learning Associate With Arrhythmic Risk Markers. Frontiers in Physiology, 2018, 9, 213.	2.8	57
134	Further Refining Risk in Hypertrophic Cardiomyopathy With Late Gadolinium Enhancement by CMR. Journal of the American College of Cardiology, 2018, 72, 871-873.	2.8	5
135	Non-invasive detection of coronary inflammation using computed tomography and prediction of residual cardiovascular risk (the CRISP CT study): a post-hoc analysis of prospective outcome data. Lancet, The, 2018, 392, 929-939.	13.7	589
136	Association of Cardiovascular Risk Factors With MRI Indices of Cerebrovascular Structure and Function and White Matter Hyperintensities in Young Adults. JAMA - Journal of the American Medical Association, 2018, 320, 665.	7.4	105
137	Prospective association between handgrip strength and cardiac structure and function in UK adults. PLoS ONE, 2018, 13, e0193124.	2.5	37
138	The impact of menopausal hormone therapy (MHT) on cardiac structure and function: Insights from the UK Biobank imaging enhancement study. PLoS ONE, 2018, 13, e0194015.	2.5	19
139	Variation in lung function and alterations in cardiac structure and function—Analysis of the UK Biobank cardiovascular magnetic resonance imaging substudy. PLoS ONE, 2018, 13, e0194434.	2.5	6
140	Myocardial Fibrosis in Aortic Stenosis. JACC: Cardiovascular Imaging, 2017, 10, 1334-1336.	5.3	6
141	Reply to: “Multiparametric magnetic resonance imaging to predict clinical outcomes in patients with chronic liver disease: A cautionary note on a promising technique” Journal of Hepatology, 2017, 66, 457-458.	3.7	2
142	A model for hepatic fibrosis: the competing effects of cell loss and iron on shortened modified Look-Locker inversion recovery (shMOLLI) in the liver. Journal of Magnetic Resonance Imaging, 2017, 45, 450-462.	3.4	64
143	Beyond Bernoulli. Circulation: Cardiovascular Imaging, 2017, 10, .	2.6	60
144	Dietary Supplementation with Homoarginine Preserves Cardiac Function in a Murine Model of Post-Myocardial Infarction Heart Failure. Circulation, 2017, 135, 400-402.	1.6	40

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145	Long-term cerebral white and gray matter changes after preeclampsia. <i>Neurology</i> , 2017, 88, 1256-1264.	1.1	77
146	Left Atrial Volumes in Health and Disease Measured Using Cardiac Magnetic Resonance. <i>Circulation: Cardiovascular Imaging</i> , 2017, 10, .	2.6	3
147	Reference ranges for cardiac structure and function using cardiovascular magnetic resonance (CMR) in Caucasians from the UK Biobank population cohort. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2017, 19, 18.	3.3	391
148	Protocol and quality assurance for carotid imaging in 100,000 participants of UK Biobank: development and assessment. <i>European Journal of Preventive Cardiology</i> , 2017, 24, 1799-1806.	1.8	27
149	Excessive Trabeculations and Prognosis. <i>Circulation: Cardiovascular Imaging</i> , 2017, 10, .	2.6	7
150	Detecting human coronary inflammation by imaging perivascular fat. <i>Science Translational Medicine</i> , 2017, 9, .	12.4	562
151	CMR Native T1 Mapping Allows Differentiation of Reversible Versus Irreversible Myocardial Damage in ST-Segmentâ€Elevation Myocardial Infarction. <i>Circulation: Cardiovascular Imaging</i> , 2017, 10, .	2.6	71
152	022â€Novel perfusion CMR reference standard for the objective diagnosis of microcirculatory dysfunction â€ validation against prognostic invasive markers of coronary physiology. <i>Heart</i> , 2017, 103, A18-A18.	2.9	0
153	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. <i>European Heart Journal</i> , 2017, 38, 1222-1229.	2.2	72
154	Metabolic remodeling in hypertrophied and failing myocardium: a review. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2017, 313, H597-H616.	3.2	68
155	Interobserver Variability in Histologic Evaluation of Liver Fibrosis Using Categorical and Quantitative Scores. <i>American Journal of Clinical Pathology</i> , 2017, 147, 364-369.	0.7	49
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