

Steffen E Petersen

List of Publications by Year in descending order

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Version: 2024-02-01

376
papers

49,402
citations

12597

71
h-index

2239

207
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403
all docs

403
docs citations

403
times ranked

39989
citing authors

#	ARTICLE	IF	CITATIONS
1	Associations of cognitive performance with cardiovascular magnetic resonance phenotypes in the UK Biobank. <i>European Heart Journal Cardiovascular Imaging</i> , 2022, 23, 663-672.	0.5	12
2	2021 ESC Guidelines on cardiovascular disease prevention in clinical practice. <i>European Journal of Preventive Cardiology</i> , 2022, 29, 5-115.	0.8	220
3	Higher spatial resolution improves the interpretation of the extent of ventricular trabeculation. <i>Journal of Anatomy</i> , 2022, 240, 357-375.	0.9	15
4	Cardiovascular Magnetic Resonance for Patients With COVID-19. <i>JACC: Cardiovascular Imaging</i> , 2022, 15, 685-699.	2.3	79
5	Pre-existing polymerase-specific T cells expand in abortive seronegative SARS-CoV-2. <i>Nature</i> , 2022, 601, 110-117.	13.7	280
6	Evidence-based cardiovascular magnetic resonance cost-effectiveness calculator for the detection of significant coronary artery disease. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2022, 24, 1.	1.6	15
7	EACVI survey on burnout amongst cardiac imaging specialists during the 2019 coronavirus disease pandemic. <i>European Heart Journal Cardiovascular Imaging</i> , 2022, , .	0.5	3
8	Generalizable Framework for Atrial Volume Estimation for Cardiac CT Images Using Deep Learning With Quality Control Assessment. <i>Frontiers in Cardiovascular Medicine</i> , 2022, 9, 822269.	1.1	7
9	Cost-Minimization Analysis for Cardiac Revascularization in 12 Health Care Systems Based on the EuroCMR/SPINS Registries. <i>JACC: Cardiovascular Imaging</i> , 2022, 15, 607-625.	2.3	15
10	European Society of Cardiology: cardiovascular disease statistics 2021. <i>European Heart Journal</i> , 2022, 43, 716-799.	1.0	343
11	2021 ESC Guidelines for the diagnosis and treatment of acute and chronic heart failure. <i>European Journal of Heart Failure</i> , 2022, 24, 4-131.	2.9	820
12	Reply to StÅ¶llberger et al.. <i>Journal of Anatomy</i> , 2022, , .	0.9	0
13	Right ventricular longitudinal strain in the clinical routine: a state-of-the-art review. <i>European Heart Journal Cardiovascular Imaging</i> , 2022, 23, 898-912.	0.5	49
14	Left atrial structure and function are associated with cardiovascular outcomes independent of left ventricular measures: a UK Biobank CMR study. <i>European Heart Journal Cardiovascular Imaging</i> , 2022, 23, 1191-1200.	0.5	24
15	Improving robustness of automatic cardiac function quantification from cine magnetic resonance imaging using synthetic image data. <i>Scientific Reports</i> , 2022, 12, 2391.	1.6	3
16	Precision measurement of cardiac structure and function in cardiovascular magnetic resonance using machine learning. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2022, 24, 16.	1.6	30
17	AlzEye: longitudinal record-level linkage of ophthalmic imaging and hospital admissions of 353â€‰%157 patients in London, UK. <i>BMJ Open</i> , 2022, 12, e058552.	0.8	22
18	HLAâ€‰DR polymorphism in SARSâ€‰CoVâ€‰2 infection and susceptibility to symptomatic COVIDâ€‰19. <i>Immunology</i> , 2022, 166, 68-77.	2.0	18

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19	Radiation safety for cardiovascular computed tomography imaging in paediatric cardiology: a joint expert consensus document of the EACVI, ESCR, AEPC, and ESPR. <i>European Heart Journal Cardiovascular Imaging</i> , 2022, 23, e279-e289.	0.5	14
20	Fairness in Cardiac Magnetic Resonance Imaging: Assessing Sex and Racial Bias in Deep Learning-Based Segmentation. <i>Frontiers in Cardiovascular Medicine</i> , 2022, 9, 859310.	1.1	26
21	European Society of Cardiology: cardiovascular disease statistics 2021: Executive Summary. <i>European Heart Journal Quality of Care & Clinical Outcomes</i> , 2022, 8, 377-382.	1.8	29
22	Biobanks and Artificial Intelligence. <i>Contemporary Medical Imaging</i> , 2022, , 81-93.	0.3	2
23	Automatic 3D+t four-chamber CMR quantification of the UK biobank: integrating imaging and non-imaging data priors at scale. <i>Medical Image Analysis</i> , 2022, 80, 102498.	7.0	7
24	Pericardial adiposity is independently linked to adverse cardiovascular phenotypes: a CMR study of 42 598 UK Biobank participants. <i>European Heart Journal Cardiovascular Imaging</i> , 2022, 23, 1471-1481.	0.5	10
25	Genome-wide association analysis reveals insights into the genetic architecture of right ventricular structure and function. <i>Nature Genetics</i> , 2022, 54, 783-791.	9.4	19
26	Frequency, Penetrance, and Variable Expressivity of Dilated Cardiomyopathy-Associated Putative Pathogenic Gene Variants in UK Biobank Participants. <i>Circulation</i> , 2022, 146, 110-124.	1.6	25
27	Associations between moderate alcohol consumption, brain iron, and cognition in UK Biobank participants: Observational and mendelian randomization analyses. <i>PLoS Medicine</i> , 2022, 19, e1004039.	3.9	28
28	Sex-specific associations between alcohol consumption, cardiac morphology, and function as assessed by magnetic resonance imaging: insights from the UK Biobank Population Study. <i>European Heart Journal Cardiovascular Imaging</i> , 2021, 22, 1009-1016.	0.5	4
29	Variation in left ventricular cardiac magnetic resonance normal reference ranges: systematic review and meta-analysis. <i>European Heart Journal Cardiovascular Imaging</i> , 2021, 22, 494-504.	0.5	15
30	Cardiovascular magnetic resonance imaging in the UK Biobank: a major international health research resource. <i>European Heart Journal Cardiovascular Imaging</i> , 2021, 22, 251-258.	0.5	32
31	Recovering from missing data in population imaging - Cardiac MR image imputation via conditional generative adversarial nets. <i>Medical Image Analysis</i> , 2021, 67, 101812.	7.0	14
32	Diagnosis and risk stratification in hypertrophic cardiomyopathy using machine learning wall thickness measurement: a comparison with human test-retest performance. <i>The Lancet Digital Health</i> , 2021, 3, e20-e28.	5.9	57
33	Lifelong learning as a clinical academic key to job satisfaction. <i>Heart</i> , 2021, 107, 934-935.	1.2	0
34	2020 ESC Guidelines for the management of adult congenital heart disease. <i>European Heart Journal</i> , 2021, 42, 563-645.	1.0	971
35	2020 ESC Guidelines on sports cardiology and exercise in patients with cardiovascular disease. <i>European Heart Journal</i> , 2021, 42, 17-96.	1.0	830
36	2020 ESC Guidelines for the diagnosis and management of atrial fibrillation developed in collaboration with the European Association for Cardio-Thoracic Surgery (EACTS). <i>European Heart Journal</i> , 2021, 42, 373-498.	1.0	5,583

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37	Common genetic variants and modifiable risk factors underpin hypertrophic cardiomyopathy susceptibility and expressivity. <i>Nature Genetics</i> , 2021, 53, 135-142.	9.4	165
38	Multi-modal Brain Age Estimation: A Comparative Study Confirms the Importance of Microstructure. <i>Mathematics and Visualization</i> , 2021, , 239-250.	0.4	1
39	Microvascular Obstruction. <i>Circulation: Cardiovascular Imaging</i> , 2021, 14, e012324.	1.3	0
40	Adverse cardiovascular magnetic resonance phenotypes are associated with greater likelihood of incident coronavirus disease 2019: findings from the UK Biobank. <i>Aging Clinical and Experimental Research</i> , 2021, 33, 1133-1144.	1.4	17
41	Vasodilator Myocardial Perfusion Cardiac Magnetic Resonance Imaging Is Superior to Dobutamine Stress Echocardiography in the Detection of Relevant Coronary Artery Stenosis: A Systematic Review and Meta-Analysis on Their Diagnostic Accuracy. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 630846.	1.1	5
42	Low birthweight is associated with decreased grip strength and reduced leg muscle mass in middle age: findings from the UK Biobank imaging enhancement. <i>Rheumatology</i> , 2021, 60, .	0.9	0
43	Women With Diabetes Are at Increased Relative Risk of Heart Failure Compared to Men: Insights From UK Biobank. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 658726.	1.1	13
44	Prior SARS-CoV-2 infection rescues B and T cell responses to variants after first vaccine dose. <i>Science</i> , 2021, 372, 1418-1423.	6.0	286
45	Genome-wide association study of cardiac troponin I in the general population. <i>Human Molecular Genetics</i> , 2021, 30, 2027-2039.	1.4	11
46	Associations of Meat and Fish Consumption With Conventional and Radiomics Cardiovascular Magnetic Resonance Phenotypes in the UK Biobank. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 667849.	1.1	7
47	Subclinical Changes in Cardiac Functional Parameters as Determined by Cardiovascular Magnetic Resonance (CMR) Imaging in Sleep Apnea and Snoring: Findings from UK Biobank. <i>Medicina (Lithuania)</i> , 2021, 57, 555.	0.8	3
48	Prognostic Value of Pulmonary Transit Time and Pulmonary Blood Volume Estimation Using Myocardial Perfusion CMR. <i>JACC: Cardiovascular Imaging</i> , 2021, 14, 2107-2119.	2.3	18
49	The Promise of AI in Detection, Diagnosis, and Epidemiology for Combating COVID-19: Beyond the Hype. <i>Frontiers in Artificial Intelligence</i> , 2021, 4, 652669.	2.0	27
50	A new scheme for the assessment of the robustness of Explainable Methods Applied to Brain Age estimation. , 2021, , .		8
51	Vitamin D and coronavirus disease 2019 (COVID-19): rapid evidence review. <i>Aging Clinical and Experimental Research</i> , 2021, 33, 2031-2041.	1.4	26
52	Maximal Wall Thickness Measurement in Hypertrophic Cardiomyopathy. <i>JACC: Cardiovascular Imaging</i> , 2021, 14, 2123-2134.	2.3	18
53	COVID-19 and the Digitalisation of Cardiovascular Training and Education – A Review of Guiding Themes for Equitable and Effective Post-graduate Telelearning. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 666119.	1.1	6
54	Diagnosing excessive trabeculation cardiomyopathy: in pursuit of the ‘holy grail’. <i>European Radiology</i> , 2021, 31, 7550-7552.	2.3	0

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55	Automated Quality-Controlled Cardiovascular Magnetic Resonance Pericardial Fat Quantification Using a Convolutional Neural Network in the UK Biobank. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 677574.	1.1	14
56	Prevalence of Hypertrophic Cardiomyopathy in the UK Biobank Population. <i>JAMA Cardiology</i> , 2021, 6, 852.	3.0	8
57	Bright Is (Not Too) Bad. <i>JACC: Cardiovascular Imaging</i> , 2021, 14, 2366-2368.	2.3	0
58	Super-Resolution of Cardiac MR Cine Imaging using Conditional GANs and Unsupervised Transfer Learning. <i>Medical Image Analysis</i> , 2021, 71, 102037.	7.0	33
59	2021 ESC Guidelines on cardiovascular disease prevention in clinical practice. <i>European Heart Journal</i> , 2021, 42, 3227-3337.	1.0	2,517
60	Shorter leukocyte telomere length is associated with adverse COVID-19 outcomes: A cohort study in UK Biobank. <i>EBioMedicine</i> , 2021, 70, 103485.	2.7	36
61	The year 2020 in the <i>European Heart Journal</i> " Cardiovascular Imaging": part I. <i>European Heart Journal Cardiovascular Imaging</i> , 2021, 22, 1219-1227.	0.5	2
62	2021 ESC Guidelines for the diagnosis and treatment of acute and chronic heart failure. <i>European Heart Journal</i> , 2021, 42, 3599-3726.	1.0	5,558
63	One-step anatomic and function testing by cardiac CT versus second-line functional testing in symptomatic patients with coronary artery stenosis: head-to-head comparison of CT-derived fractional flow reserve and myocardial perfusion imaging. <i>EuroIntervention</i> , 2021, 17, 576-583.	1.4	7
64	New Imaging Signatures of Cardiac Alterations in Ischaemic Heart Disease and Cerebrovascular Disease Using CMR Radiomics. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 716577.	1.1	12
65	Blood transcriptional biomarkers of acute viral infection for detection of pre-symptomatic SARS-CoV-2 infection: a nested, case-control diagnostic accuracy study. <i>Lancet Microbe</i> , The, 2021, 2, e508-e517.	3.4	52
66	Medical image segmentation automatic quality control: A multi-dimensional approach. <i>Medical Image Analysis</i> , 2021, 74, 102213.	7.0	17
67	Shape registration with learned deformations for 3D shape reconstruction from sparse and incomplete point clouds. <i>Medical Image Analysis</i> , 2021, 74, 102228.	7.0	17
68	Multi-Centre, Multi-Vendor and Multi-Disease Cardiac Segmentation: The M&Ms Challenge. <i>IEEE Transactions on Medical Imaging</i> , 2021, 40, 3543-3554.	5.4	168
69	Fairness in Cardiac MR Image Analysis: An Investigation of Bias Due to Data Imbalance in Deep Learning Based Segmentation. <i>Lecture Notes in Computer Science</i> , 2021, , 413-423.	1.0	32
70	Cardiology training using technology. <i>European Heart Journal</i> , 2021, 42, 1453-1455.	1.0	11
71	Cardiovascular magnetic resonance reference values of mitral and tricuspid annular dimensions: the UK Biobank cohort. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2021, 23, 5.	1.6	21
72	Brain age estimation at tract group level and its association with daily life measures, cardiac risk factors and genetic variants. <i>Scientific Reports</i> , 2021, 11, 20563.	1.6	9

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73	6â€¦Healthier CMR phenotypes are linked to favourable brain MRI structure and function metrics in the UK Biobank. , 2021, , .		0
74	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.	1.1	10
75	The Future of Cardiac Magnetic Resonance Clinical Trials. <i>JACC: Cardiovascular Imaging</i> , 2021, , .	2.3	6
76	Prediction of Coronary Revascularization in Stable Angina. <i>JACC: Cardiovascular Imaging</i> , 2020, 13, 994-1004.	2.3	27
77	2019 ESC Guidelines for the diagnosis and management of chronic coronary syndromes. <i>European Heart Journal</i> , 2020, 41, 407-477.	1.0	4,210
78	2019 ESC/EAS Guidelines for the management of dyslipidaemias: lipid modification to reduce cardiovascular risk. <i>European Heart Journal</i> , 2020, 41, 111-188.	1.0	4,871
79	2019 ESC Guidelines for the management of patients with supraventricular tachycardiaThe Task Force for the management of patients with supraventricular tachycardia of the European Society of Cardiology (ESC). <i>European Heart Journal</i> , 2020, 41, 655-720.	1.0	647
80	2019 ESC Guidelines on diabetes, pre-diabetes, and cardiovascular diseases developed in collaboration with the EASD. <i>European Heart Journal</i> , 2020, 41, 255-323.	1.0	2,811
81	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.	7.0	42
82	Association Between Recreational Cannabis Use and Cardiac Structure and Function. <i>JACC: Cardiovascular Imaging</i> , 2020, 13, 886-888.	2.3	12
83	Chronic Obstructive Pulmonary Disease as a Predictor of Cardiovascular Risk: A Case-Control Study. <i>COPD: Journal of Chronic Obstructive Pulmonary Disease</i> , 2020, 17, 81-89.	0.7	6
84	European Society of Cardiology: Cardiovascular Disease Statistics 2019. <i>European Heart Journal</i> , 2020, 41, 12-85.	1.0	690
85	Comparison of quantitative flow ratio and fractional flow reserve with myocardial perfusion scintigraphy and cardiovascular magnetic resonance as reference standard. A Dan-NICAD substudy. <i>International Journal of Cardiovascular Imaging</i> , 2020, 36, 395-402.	0.7	10
86	Cardiovascular research highlights from the UK Biobank: opportunities and challenges. <i>Cardiovascular Research</i> , 2020, 116, e12-e15.	1.8	17
87	Tissue-tracking in the assessment of late gadolinium enhancement in myocarditis and myocardial infarction. <i>Magnetic Resonance Imaging</i> , 2020, 73, 62-69.	1.0	3
88	Causal Inference for Genetic Obesity, Cardiometabolic Profile and COVID-19 Susceptibility: A Mendelian Randomization Study. <i>Frontiers in Genetics</i> , 2020, 11, 586308.	1.1	56
89	Repeatability of Cardiac Magnetic Resonance Radiomics: A Multi-Centre Multi-Vendor Test-Retest Study. <i>Frontiers in Cardiovascular Medicine</i> , 2020, 7, 586236.	1.1	17
90	The Effect of Blood Lipids on the LeftÂVentricle. <i>Journal of the American College of Cardiology</i> , 2020, 76, 2477-2488.	1.2	26

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91	Editorial: Current and Future Role of Artificial Intelligence in Cardiac Imaging. <i>Frontiers in Cardiovascular Medicine</i> , 2020, 7, 137.	1.1	9
92	Renin-Angiotensin-Aldosterone System Blockers Are Not Associated With Coronavirus Disease 2019 (COVID-19) Hospitalization: Study of 1,439 UK Biobank Cases. <i>Frontiers in Cardiovascular Medicine</i> , 2020, 7, 138.	1.1	18
93	Radiomics Signatures of Cardiovascular Risk Factors in Cardiac MRI: Results From the UK Biobank. <i>Frontiers in Cardiovascular Medicine</i> , 2020, 7, 591368.	1.1	32
94	Stress myocardial perfusion with qualitative magnetic resonance and quantitative dynamic computed tomography: comparison of diagnostic performance and incremental value over coronary computed tomography angiography. <i>European Heart Journal Cardiovascular Imaging</i> , 2020, , .	0.5	9
95	Left Ventricular Hypertrabeculation Is Not Associated With Cardiovascular Morbidity or Mortality: Insights From the Eurocmr Registry. <i>Frontiers in Cardiovascular Medicine</i> , 2020, 7, 158.	1.1	11
96	The year 2019 in the <i>European Heart Journal</i> "Cardiovascular Imaging": Part I. <i>European Heart Journal Cardiovascular Imaging</i> , 2020, 21, 1208-1215.	0.5	3
97	A population-based phenome-wide association study of cardiac and aortic structure and function. <i>Nature Medicine</i> , 2020, 26, 1654-1662.	15.2	98
98	COVID-19 and the UK Biobank "Opportunities and Challenges for Research and Collaboration With Other Large Population Studies. <i>Frontiers in Cardiovascular Medicine</i> , 2020, 7, 156.	1.1	13
99	Pathological Cluster Identification by Unsupervised Analysis in 3,822 UK Biobank Cardiac MRIs. <i>Frontiers in Cardiovascular Medicine</i> , 2020, 7, 539788.	1.1	9
100	Identify, Intervene, Improve. <i>Circulation: Cardiovascular Imaging</i> , 2020, 13, e012084.	1.3	0
101	The role of cardiovascular imaging for myocardial injury in hospitalized COVID-19 patients. <i>European Heart Journal Cardiovascular Imaging</i> , 2020, 21, 709-714.	0.5	69
102	Age, sex and disease-specific associations between resting heart rate and cardiovascular mortality in the UK BIOBANK. <i>PLoS ONE</i> , 2020, 15, e0233898.	1.1	22
103	The UK Biobank imaging enhancement of 100,000 participants: rationale, data collection, management and future directions. <i>Nature Communications</i> , 2020, 11, 2624.	5.8	324
104	Inline perfusion mapping provides insights into the disease mechanism in hypertrophic cardiomyopathy. <i>Heart</i> , 2020, 106, 824-829.	1.2	26
105	Greater risk of severe COVID-19 in Black, Asian and Minority Ethnic populations is not explained by cardiometabolic, socioeconomic or behavioural factors, or by 25(OH)-vitamin D status: study of 1326 cases from the UK Biobank. <i>Journal of Public Health</i> , 2020, 42, 451-460.	1.0	260
106	Cardiac magnetic resonance radiomics: basic principles and clinical perspectives. <i>European Heart Journal Cardiovascular Imaging</i> , 2020, 21, 349-356.	0.5	64
107	Improving the Generalizability of Convolutional Neural Network-Based Segmentation on CMR Images. <i>Frontiers in Cardiovascular Medicine</i> , 2020, 7, 105.	1.1	74
108	Cardiovascular magnetic resonance imaging volume criteria for arrhythmogenic right ventricular cardiomyopathy: need for update?. <i>European Heart Journal</i> , 2020, 41, 1451-1451.	1.0	5

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109	The Role of Multimodality Cardiovascular Imaging in Peripartum Cardiomyopathy. <i>Frontiers in Cardiovascular Medicine</i> , 2020, 7, 4.	1.1	10
110	Fully Automated Myocardial Strain Estimation from Cardiovascular MRI-Tagged Images Using a Deep Learning Framework in the UK Biobank. <i>Radiology: Cardiothoracic Imaging</i> , 2020, 2, e190032.	0.9	29
111	The Prognostic Significance of Quantitative Myocardial Perfusion: An Artificial Intelligence Based Approach Using Perfusion Mapping. <i>Circulation</i> , 2020, 141, 1282-1291.	1.6	100
112	Prognostic Significance of Left Ventricular Noncompaction. <i>Circulation: Cardiovascular Imaging</i> , 2020, 13, e009712.	1.3	74
113	COVID-19 pandemic and cardiac imaging: EACVI recommendations on precautions, indications, prioritization, and protection for patients and healthcare personnel. <i>European Heart Journal Cardiovascular Imaging</i> , 2020, 21, 592-598.	0.5	237
114	Poor Bone Quality is Associated With Greater Arterial Stiffness: Insights From the UK Biobank. <i>Journal of Bone and Mineral Research</i> , 2020, 36, 90-99.	3.1	11
115	Recent Trends and Potential Drivers of Non-invasive Cardiovascular Imaging Use in the United States of America and England. <i>Frontiers in Cardiovascular Medicine</i> , 2020, 7, 617771.	1.1	15
116	Combining Multi-Sequence and Synthetic Images for Improved Segmentation of Late Gadolinium Enhancement Cardiac MRI. <i>Lecture Notes in Computer Science</i> , 2020, , 290-299.	1.0	17
117	Variation of cardiac magnetic resonance radiomics features by age and sex in healthy participants from the UK Biobank. <i>European Heart Journal</i> , 2020, 41, .	1.0	1
118	Healthcare Workers Bioresource: Study outline and baseline characteristics of a prospective healthcare worker cohort to study immune protection and pathogenesis in COVID-19. <i>Wellcome Open Research</i> , 2020, 5, 179.	0.9	10
119	Healthcare Workers Bioresource: Study outline and baseline characteristics of a prospective healthcare worker cohort to study immune protection and pathogenesis in COVID-19. <i>Wellcome Open Research</i> , 2020, 5, 179.	0.9	21
120	Image-Based Cardiac Diagnosis With Machine Learning: A Review. <i>Frontiers in Cardiovascular Medicine</i> , 2020, 7, 1.	1.1	143
121	Cardiovascular magnetic resonance imaging for amyloidosis: The state-of-the-art. <i>Trends in Cardiovascular Medicine</i> , 2019, 29, 83-94.	2.3	16
122	Two-Minute k-Space and Time-accelerated Aortic Four-dimensional Flow MRI: Dual-Center Study of Feasibility and Impact on Velocity and Wall Shear Stress Quantification. <i>Radiology: Cardiothoracic Imaging</i> , 2019, 1, e180008.	0.9	10
123	CHA ₂ DS ₂ -VASc score and adverse outcomes in middle-aged individuals without atrial fibrillation. <i>European Journal of Preventive Cardiology</i> , 2019, 26, 1987-1997.	0.8	25
124	Danish study of Non-Invasive testing in Coronary Artery Disease 2 (Dan-NICAD 2): Study design for a controlled study of diagnostic accuracy. <i>American Heart Journal</i> , 2019, 215, 114-128.	1.2	13
125	Using patient-reported outcome measures for primary percutaneous coronary intervention. <i>Open Heart</i> , 2019, 6, e000920.	0.9	5
126	A Radiomics Approach to Analyze Cardiac Alterations in Hypertension. , 2019, , .		11

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127	Right ventricular shape and function: cardiovascular magnetic resonance reference morphology and biventricular risk factor morphometrics in UK Biobank. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2019, 21, 41.	1.6	47
128	Does self-reported pregnancy loss identify women at risk of an adverse cardiovascular phenotype in later life? Insights from UK Biobank. <i>PLoS ONE</i> , 2019, 14, e0223125.	1.1	3
129	Advances in population-based imaging using cardiac magnetic resonance. <i>Progress in Biomedical Engineering</i> , 2019, 1, 012003.	2.8	0
130	2019 ESC/EAS guidelines for the management of dyslipidaemias: Lipid modification to reduce cardiovascular risk. <i>Atherosclerosis</i> , 2019, 290, 140-205.	0.4	1,753
131	Pulmonary blood volume index as a quantitative biomarker of haemodynamic congestion in hypertrophic cardiomyopathy. <i>European Heart Journal Cardiovascular Imaging</i> , 2019, 20, 1368-1376.	0.5	14
132	Artificial Intelligence Will Transform Cardiac Imaging—Opportunities and Challenges. <i>Frontiers in Cardiovascular Medicine</i> , 2019, 6, 133.	1.1	44
133	Changes in Cardiac Morphology and Function in Individuals With Diabetes Mellitus. <i>Circulation: Cardiovascular Imaging</i> , 2019, 12, e009476.	1.3	43
134	A Multicenter, Scan-Rescan, Human and Machine Learning CMR Study to Test Generalizability and Precision in Imaging Biomarker Analysis. <i>Circulation: Cardiovascular Imaging</i> , 2019, 12, e009214.	1.3	75
135	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
136	European Association of Cardiovascular Imaging expert consensus paper: a comprehensive review of cardiovascular magnetic resonance normal values of cardiac chamber size and aortic root in adults and recommendations for grading severity. <i>European Heart Journal Cardiovascular Imaging</i> , 2019, 20, 1321-1331.	0.5	122
137	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.	7.0	41
138	The year 2018 in the <i>European Heart Journal</i> — Cardiovascular Imaging: Part I. <i>European Heart Journal Cardiovascular Imaging</i> , 2019, 20, 858-865.	0.5	4
139	Factors associated with potentially serious incidental findings and with serious final diagnoses on multi-modal imaging in the UK Biobank Imaging Study: A prospective cohort study. <i>PLoS ONE</i> , 2019, 14, e0218267.	1.1	14
140	Genome-wide association study identifies loci for arterial stiffness index in 127,121 UK Biobank participants. <i>Scientific Reports</i> , 2019, 9, 9143.	1.6	28
141	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.	1.6	78
142	Impact of Measurement Variations in Right Atrial Structure and Function on Outcomes. <i>JACC: Cardiovascular Imaging</i> , 2019, 12, 569-570.	2.3	0
143	Response by Aung and Petersen to Letter Regarding Article, “Association Between Ambient Air Pollution and Cardiac Morpho-Functional Phenotypes: Insights From the UK Biobank Population Imaging Study” <i>Circulation</i> , 2019, 139, 1859-1860.	1.6	0
144	Physical activity and left ventricular trabeculation in the UK Biobank community-based cohort study. <i>Heart</i> , 2019, 105, 990-998.	1.2	21

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145	Independent Left Ventricular Morphometric Atlases Show Consistent Relationships with Cardiovascular Risk Factors: A UK Biobank Study. <i>Scientific Reports</i> , 2019, 9, 1130.	1.6	43
146	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.	1.1	26
147	Effect of coffee consumption on arterial stiffness from UK biobank imaging study. , 2019, , .		0
148	Corneal biomechanical properties and vascular compliance in the UK biobank cohort. , 2019, , .		0
149	Validation of Cardiovascular Magnetic Resonanceâ€‘Derived Equation for Predicted Left Ventricular Mass Using the UK Biobank Imaging Cohort. <i>Circulation: Heart Failure</i> , 2019, 12, e006362.	1.6	8
150	Prevalence and Clinical Relevance of Extracardiac Findings in Cardiovascular Magnetic Resonance Imaging. <i>Journal of Thoracic Imaging</i> , 2019, 34, 48-55.	0.8	10
151	Automatic Assessment of Full Left Ventricular Coverage in Cardiac Cine Magnetic Resonance Imaging With Fisher-Discriminative 3-D CNN. <i>IEEE Transactions on Biomedical Engineering</i> , 2019, 66, 1975-1986.	2.5	19
152	Authorsâ€™ Reply to Kindermann et al.â€™s Comment on: â€‘Athleteâ€™s Heart: Diagnostic Challenges and Future Perspectivesâ€™. <i>Sports Medicine</i> , 2019, 49, 495-496.	3.1	0
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