

Orlando P Simonetti

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

132
papers

11,424
citations

36
h-index

106
g-index

143
ext. papers

13,156
ext. citations

6.9
avg, IF

5.85
L-index

#	Paper	IF	Citations
132	The use of contrast-enhanced magnetic resonance imaging to identify reversible myocardial dysfunction. <i>New England Journal of Medicine</i> , 2000 , 343, 1445-53	59.2	2432
131	Relationship of MRI delayed contrast enhancement to irreversible injury, infarct age, and contractile function. <i>Circulation</i> , 1999 , 100, 1992-2002	16.7	1961
130	An improved MR imaging technique for the visualization of myocardial infarction. <i>Radiology</i> , 2001 , 218, 215-23	20.5	1072
129	Magnetic resonance versus radionuclide pharmacological stress perfusion imaging for flow-limiting stenoses of varying severity. <i>Circulation</i> , 2004 , 110, 58-65	16.7	494
128	T2 quantification for improved detection of myocardial edema. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2009 , 11, 56	6.9	457
127	Theory of high-speed MR imaging of the human heart with the selective line acquisition mode. <i>Radiology</i> , 2001 , 220, 540-7	20.5	408
126	Cine MR angiography of the heart with segmented true fast imaging with steady-state precession. <i>Radiology</i> , 2001 , 219, 828-34	20.5	388
125	Self-gated cardiac cine MRI. <i>Magnetic Resonance in Medicine</i> , 2004 , 51, 93-102	4.4	313
124	Direct T2 quantification of myocardial edema in acute ischemic injury. <i>JACC: Cardiovascular Imaging</i> , 2011 , 4, 269-78	8.4	263
123	Atrial fibrillation driven by micro-anatomic intramural re-entry revealed by simultaneous sub-epicardial and sub-endocardial optical mapping in explanted human hearts. <i>European Heart Journal</i> , 2015 , 36, 2390-401	9.5	246
122	Improved detection of myocardial involvement in acute inflammatory cardiomyopathies using T2 mapping. <i>Circulation: Cardiovascular Imaging</i> , 2012 , 5, 102-10	3.9	217
121	Cardiovascular Magnetic Resonance Findings in Competitive Athletes Recovering From COVID-19 Infection. <i>JAMA Cardiology</i> , 2021 , 6, 116-118	16.2	203
120	Preliminary investigation of respiratory self-gating for free-breathing segmented cine MRI. <i>Magnetic Resonance in Medicine</i> , 2005 , 53, 159-68	4.4	156
119	MR Imaging of the heart with cine true fast imaging with steady-state precession: influence of spatial and temporal resolutions on left ventricular functional parameters. <i>Radiology</i> , 2002 , 223, 263-9	20.5	145
118	Limits of detection of regional differences in vasodilated flow in viable myocardium by first-pass magnetic resonance perfusion imaging. <i>Circulation</i> , 2001 , 104, 2412-6	16.7	127
117	Cardiac function: MR evaluation in one breath hold with real-time true fast imaging with steady-state precession. <i>Radiology</i> , 2002 , 222, 835-42	20.5	126
116	Feasibility, accuracy, and reproducibility of real-time full-volume 3D transthoracic echocardiography to measure LV volumes and systolic function: a fully automated endocardial contouring algorithm in sinus rhythm and atrial fibrillation. <i>JACC: Cardiovascular Imaging</i> , 2012 , 5, 239-51	8.4	92

115	Cardiac magnetic resonance with edema imaging identifies myocardium at risk and predicts worse outcome in patients with non-ST-segment elevation acute coronary syndrome. <i>Journal of the American College of Cardiology</i> , 2010 , 55, 2480-8	15.1	91
114	Motion-corrected free-breathing delayed enhancement imaging of myocardial infarction. <i>Magnetic Resonance in Medicine</i> , 2005 , 53, 194-200	4.4	90
113	Cardiac Magnetic Resonance Stress Perfusion Imaging for Evaluation of Patients With Chest Pain. <i>Journal of the American College of Cardiology</i> , 2019 , 74, 1741-1755	15.1	82
112	Dietary carbohydrate restriction improves metabolic syndrome independent of weight loss. <i>JCI Insight</i> , 2019 , 4,	9.9	82
111	Myocardial infarction: optimization of inversion times at delayed contrast-enhanced MR imaging. <i>Radiology</i> , 2004 , 233, 921-6	20.5	77
110	Prevalence of Clinical and Subclinical Myocarditis in Competitive Athletes With Recent SARS-CoV-2 Infection: Results From the Big Ten COVID-19 Cardiac Registry. <i>JAMA Cardiology</i> , 2021 , 6, 1078-1087	16.2	76
109	Gadolinium-containing phosphatidylserine liposomes for molecular imaging of atherosclerosis. <i>Journal of Lipid Research</i> , 2009 , 50, 2157-63	6.3	67
108	Theoretical aspects of motion sensitivity and compensation in echo-planar imaging. <i>Journal of Magnetic Resonance Imaging</i> , 1991 , 1, 643-50	5.6	65
107	Myocardial T1 mapping with respiratory navigator and automatic nonrigid motion correction. <i>Magnetic Resonance in Medicine</i> , 2012 , 68, 1570-8	4.4	62
106	Simultaneous right and left heart real-time, free-breathing CMR flow quantification identifies constrictive physiology. <i>JACC: Cardiovascular Imaging</i> , 2012 , 5, 15-24	8.4	56
105	Human sinoatrial node structure: 3D microanatomy of sinoatrial conduction pathways. <i>Progress in Biophysics and Molecular Biology</i> , 2016 , 120, 164-78	4.7	52
104	Lipoic acid effects on established atherosclerosis. <i>Life Sciences</i> , 2010 , 86, 95-102	6.8	51
103	Segmented k-space and real-time cardiac cine MR imaging with radial trajectories. <i>Radiology</i> , 2001 , 221, 827-36	20.5	49
102	Three-dimensional black-blood MR imaging of carotid arteries with segmented steady-state free precession: initial experience. <i>Radiology</i> , 2007 , 243, 220-8	20.5	47
101	In vivo atherosclerotic plaque characterization using magnetic susceptibility distinguishes symptom-producing plaques. <i>JACC: Cardiovascular Imaging</i> , 2008 , 1, 49-57	8.4	46
100	Significance of the point of expansion in interpretation of gradient moments and motion sensitivity. <i>Journal of Magnetic Resonance Imaging</i> , 1991 , 1, 569-77	5.6	42
99	MR imaging evaluation of myocardial viability in the setting of equivocal SPECT results with (99m)Tc sestamibi. <i>Radiology</i> , 2004 , 230, 191-7	20.5	39
98	Graded Maximal Exercise Testing to Assess Mouse Cardio-Metabolic Phenotypes. <i>PLoS ONE</i> , 2016 , 11, e0148010	3.7	38

97	Real-time cine and myocardial perfusion with treadmill exercise stress cardiovascular magnetic resonance in patients referred for stress SPECT. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2010 , 12, 41	6.9	36
96	Cardiac function and myocardial perfusion immediately following maximal treadmill exercise inside the MRI room. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2008 , 10, 3	6.9	36
95	Myocardial ischemia and right ventricular dysfunction in adult patients with sickle cell disease. <i>Haematologica</i> , 2006 , 91, 1329-35	6.6	36
94	MR-compatible treadmill for exercise stress cardiac magnetic resonance imaging. <i>Magnetic Resonance in Medicine</i> , 2012 , 67, 880-9	4.4	33
93	Rapid assessment of quantitative T1, T2 and T2* in lower extremity muscles in response to maximal treadmill exercise. <i>NMR in Biomedicine</i> , 2015 , 28, 998-1008	4.4	31
92	Quantification of aortic stiffness using MR elastography and its comparison to MRI-based pulse wave velocity. <i>Journal of Magnetic Resonance Imaging</i> , 2015 , 41, 44-51	5.6	31
91	Shared velocity encoding: a method to improve the temporal resolution of phase-contrast velocity measurements. <i>Magnetic Resonance in Medicine</i> , 2012 , 68, 703-10	4.4	31
90	Diagnostic Performance of Treadmill Exercise Cardiac Magnetic Resonance: The Prospective, Multicenter Exercise CMR Accuracy for Cardiovascular Stress Testing (EXACT) Trial. <i>Journal of the American Heart Association</i> , 2016 , 5,	6	30
89	Variable density incoherent spatiotemporal acquisition (VISTA) for highly accelerated cardiac MRI. <i>Magnetic Resonance in Medicine</i> , 2015 , 74, 1266-78	4.4	30
88	MR angiography of the thoracic aorta with an electrocardiographically triggered breath-hold contrast-enhanced sequence. <i>Radiographics</i> , 2000 , 20, 107-20	5.4	29
87	Society for Cardiovascular Magnetic Resonance (SCMR) recommended CMR protocols for scanning patients with active or convalescent phase COVID-19 infection. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2020 , 22, 61	6.9	29
86	Human Atrial Fibrillation Drivers Resolved With Integrated Functional and Structural Imaging to Benefit Clinical Mapping. <i>JACC: Clinical Electrophysiology</i> , 2018 , 4, 1501-1515	4.6	29
85	A modified sesamol derivative inhibits progression of atherosclerosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011 , 31, 536-42	9.4	26
84	Cost-Effectiveness Analysis of Stress Cardiovascular Magnetic Resonance Imaging for Stable Chest Pain Syndromes. <i>JACC: Cardiovascular Imaging</i> , 2020 , 13, 1505-1517	8.4	24
83	A method to assess spatially variant noise in dynamic MR image series. <i>Magnetic Resonance in Medicine</i> , 2010 , 63, 782-9	4.4	22
82	Magnetic field threshold for accurate electrocardiography in the MRI environment. <i>Magnetic Resonance in Medicine</i> , 2010 , 64, 1586-91	4.4	22
81	Time-resolved MR angiography with generalized autocalibrating partially parallel acquisition and time-resolved echo-sharing angiographic technique for hemodialysis arteriovenous fistulas and grafts. <i>Journal of Vascular and Interventional Radiology</i> , 2006 , 17, 1003-9	2.4	22
80	Signal-to-noise, resolution, and bias function analysis of asymmetric sampling with zero-padded magnitude FT reconstruction. <i>Magnetic Resonance in Medicine</i> , 1992 , 27, 247-69	4.4	22

79	Extended Ketogenic Diet and Physical Training Intervention in Military Personnel. <i>Military Medicine</i> , 2019 , 184, e538-e547	1.3	20
78	Dynamic computed tomography to determine cardiac output in patients with left ventricular assist devices. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2009 , 137, 1213-7	1.5	20
77	Multimodality Cardiac Imaging in the Era of Emerging Cancer Therapies. <i>Journal of the American Heart Association</i> , 2020 , 9, e013755	6	19
76	Technical aspects of pediatric CMR. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2006 , 8, 581-93	6.9	19
75	Novel application of 3D contrast-enhanced CMR to define fibrotic structure of the human sinoatrial node in vivo. <i>European Heart Journal Cardiovascular Imaging</i> , 2017 , 18, 862-869	4.1	18
74	Assessment of carotid stenosis using three-dimensional T2-weighted dark blood imaging: Initial experience. <i>Journal of Magnetic Resonance Imaging</i> , 2012 , 35, 449-55	5.6	18
73	Blood flow in a compliant vessel by the immersed boundary method. <i>Annals of Biomedical Engineering</i> , 2009 , 37, 927-42	4.7	18
72	The CMR examination in heart failure. <i>Heart Failure Clinics</i> , 2009 , 5, 283-300, v	3.3	18
71	Imaging of Clinically Unrecognized Myocardial Fibrosis in Patients With Suspected Coronary Artery Disease. <i>Journal of the American College of Cardiology</i> , 2020 , 76, 945-957	15.1	18
70	A new approach to autocalibrated dynamic parallel imaging based on the Karhunen-Loeve transform: KL-TSENSE and KL-TGRAPPA. <i>Magnetic Resonance in Medicine</i> , 2011 , 65, 1786-92	4.4	17
69	Low-Field Cardiac Magnetic Resonance Imaging: A Compelling Case for Cardiac Magnetic Resonance's Future. <i>Circulation: Cardiovascular Imaging</i> , 2017 , 10,	3.9	16
68	Edge Sharpness Assessment by Parametric Modeling: Application to Magnetic Resonance Imaging. <i>Concepts in Magnetic Resonance Part A: Bridging Education and Research</i> , 2015 , 44, 138-149	0.6	16
67	Comparison of treadmill exercise stress cardiac MRI to stress echocardiography in healthy volunteers for adequacy of left ventricular endocardial wall visualization: A pilot study. <i>Journal of Magnetic Resonance Imaging</i> , 2014 , 39, 1146-52	5.6	15
66	Technology Insight: magnetic resonance angiography for the evaluation of patients with peripheral artery disease. <i>Nature Clinical Practice Cardiovascular Medicine</i> , 2007 , 4, 677-87		15
65	Comparison of ECG-gated rectilinear vs. real-time radial K-space sampling schemes in cine True-FISP cardiac MRI. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2004 , 6, 793-802	6.9	15
64	Quantification of aortic stenosis diagnostic parameters: comparison of fast 3 direction and 1 direction phase contrast CMR and transthoracic echocardiography. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2017 , 19, 35	6.9	14
63	Cross-sectional magnetic resonance angiography is accurate in predicting degree of carotid stenosis. <i>Annals of Vascular Surgery</i> , 2002 , 16, 266-72	1.7	14
62	Single-session magnetic resonance coronary angiography and myocardial perfusion imaging using the new blood pool compound B-22956 (gadocoletic acid): initial experience in a porcine model of coronary artery disease. <i>Investigative Radiology</i> , 2005 , 40, 604-13	10.1	14

61	Free-breathing myocardial T2* mapping using GRE-EPI and automatic non-rigid motion correction. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2015 , 17, 113	6.9	13
60	Reproducibility of thoracic and abdominal aortic wall measurements with three-dimensional, variable flip angle (SPACE) MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2015 , 41, 202-12	5.6	13
59	MRI gradient waveform design by numerical optimization. <i>Magnetic Resonance in Medicine</i> , 1993 , 29, 498-504	4.4	13
58	Fast implementation for compressive recovery of highly accelerated cardiac cine MRI using the balanced sparse model. <i>Magnetic Resonance in Medicine</i> , 2017 , 77, 1505-1515	4.4	12
57	Paradoxical effect of the signal-to-noise ratio of GRAPPA calibration lines: A quantitative study. <i>Magnetic Resonance in Medicine</i> , 2015 , 74, 231-239	4.4	12
56	MRI for physiology and function: technical advances in MRI of congenital heart disease. <i>Seminars in Roentgenology</i> , 1998 , 33, 293-301	0.8	12
55	Reduction of flow- and eddy-currents-induced image artifacts in coronary magnetic resonance angiography using a linear centric-encoding SSFP sequence. <i>Magnetic Resonance Imaging</i> , 2007 , 25, 1138-47	3.3	12
54	Experimental confirmation of phase encoding of instantaneous derivatives of position. <i>Magnetic Resonance in Medicine</i> , 1994 , 32, 77-87	4.4	12
53	Aliskiren effect on plaque progression in established atherosclerosis using high resolution 3D MRI (ALPINE): a double-blind placebo-controlled trial. <i>Journal of the American Heart Association</i> , 2013 , 2, e004879	6	11
52	CMR-based blood oximetry via multi-parametric estimation using multiple T2 measurements. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2017 , 19, 88	6.9	10
51	Electrical noise in the intraoperative magnetic resonance imaging setting. <i>Anesthesia and Analgesia</i> , 2009 , 108, 181-6	3.9	10
50	Ultrafast flow quantification with segmented k-space magnetic resonance phase velocity mapping. <i>Annals of Biomedical Engineering</i> , 2002 , 30, 120-8	4.7	10
49	A Bayesian model for highly accelerated phase-contrast MRI. <i>Magnetic Resonance in Medicine</i> , 2016 , 76, 689-701	4.4	10
48	Estimation of myocardial fibrosis in humans with dual energy CT. <i>Journal of Cardiovascular Computed Tomography</i> , 2019 , 13, 315-318	2.8	10
47	Cine delayed-enhancement MR imaging of the heart: initial experience. <i>Radiology</i> , 2006 , 239, 856-62	20.5	9
46	Exercise cardiovascular magnetic resonance: development, current utility and future applications. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2020 , 22, 65	6.9	9
45	Cardiopulmonary exercise testing in the MRI environment. <i>Physiological Measurement</i> , 2016 , 37, N11-25	2.9	9
44	A Bayesian approach for 4D flow imaging of aortic valve in a single breath-hold. <i>Magnetic Resonance in Medicine</i> , 2019 , 81, 811-824	4.4	9

43	Iron, inflammation and atherosclerosis risk in men vs. perimenopausal women. <i>Atherosclerosis</i> , 2015 , 241, 249-54	3.1	8
42	Non-contrast estimation of diffuse myocardial fibrosis with dual energy CT: A phantom study. <i>Journal of Cardiovascular Computed Tomography</i> , 2018 , 12, 74-80	2.8	8
41	The growth and evolution of cardiovascular magnetic resonance: a 20-year history of the Society for Cardiovascular Magnetic Resonance (SCMR) annual scientific sessions. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2018 , 20, 8	6.9	8
40	Treadmill stress cardiac magnetic resonance imaging: first in vivo demonstration of exercise-induced apical ballooning. <i>Journal of the American College of Cardiology</i> , 2008 , 52, 1884	15.1	8
39	A multi-vendor, multi-center study on reproducibility and comparability of fast strain-encoded cardiovascular magnetic resonance imaging. <i>International Journal of Cardiovascular Imaging</i> , 2020 , 36, 899-911	2.5	8
38	Evaluation of Stress Cardiac Magnetic Resonance Imaging in Risk Reclassification of Patients With Suspected Coronary Artery Disease. <i>JAMA Cardiology</i> , 2020 , 5, 1401-1409	16.2	8
37	Patient specific prospective respiratory motion correction for efficient, free-breathing cardiovascular MRI. <i>Magnetic Resonance in Medicine</i> , 2019 , 81, 3662-3674	4.4	7
36	Steady-state first-pass perfusion (SSFP): a new approach to 3D first-pass myocardial perfusion imaging. <i>Magnetic Resonance in Medicine</i> , 2014 , 71, 133-44	4.4	7
35	Improved in vivo human carotid artery wall T1 estimation. <i>Magnetic Resonance Imaging</i> , 2013 , 31, 44-52	3.3	7
34	Noncontrast MRA for the diagnosis of vascular diseases. <i>Cardiology Clinics</i> , 2011 , 29, 341-50	2.5	7
33	Unmasking Arrhythmogenic Hubs of Reentry Driving Persistent Atrial Fibrillation for Patient-Specific Treatment. <i>Journal of the American Heart Association</i> , 2020 , 9, e017789	6	7
32	Iron and noncontrast magnetic resonance T2* as a marker of intraplaque iron in human atherosclerosis. <i>Journal of Vascular Surgery</i> , 2015 , 61, 1556-64	3.5	6
31	Multiecho multimoment refocussing of motion in magnetic resonance imaging: MEM-MO-RE. <i>Magnetic Resonance Imaging</i> , 1990 , 8, 535-41	3.3	6
30	Modified gradients for motion suppression: variable echo time and variable bandwidth. <i>Magnetic Resonance Imaging</i> , 1990 , 8, 141-51	3.3	6
29	Quantification of Human Central Adipose Tissue Depots: An Anatomically Matched Comparison Between DXA and MRI. <i>Tomography</i> , 2019 , 5, 358-366	3.1	6
28	Design and Rationale for the Study of Changes in Iron and Atherosclerosis Risk in Perimenopause. <i>Journal of Clinical & Experimental Cardiology</i> , 2011 , 2, 152	0	6
27	Non-rigid registration and KLT filter to improve SNR and CNR in GRE-EPI myocardial perfusion imaging. <i>Journal of Biomedical Science and Engineering</i> , 2012 , 5, 871-877	0.7	6
26	Mitral annular velocity measurement with cardiac magnetic resonance imaging using a novel annular tracking algorithm: Validation against echocardiography. <i>Magnetic Resonance Imaging</i> , 2019 , 55, 72-80	3.3	6

25	Hypogenetic lung syndrome: functional and anatomic evaluation with magnetic resonance imaging and magnetic resonance angiography. <i>Journal of Magnetic Resonance Imaging</i> , 1996 , 6, 798-800	5.6	5
24	A method to correct background phase offset for phase-contrast MRI in the presence of steady flow and spatial wrap-around artifact. <i>Magnetic Resonance in Medicine</i> , 2019 , 81, 2424-2438	4.4	4
23	Post-interventional three-dimensional dark blood MRI in the adult with congenital heart disease. <i>International Journal of Cardiology</i> , 2012 , 158, 267-71	3.2	4
22	Non-ST-segment elevation acute coronary syndromes: targeted imaging to refine upstream risk stratification. <i>Circulation: Cardiovascular Imaging</i> , 2012 , 5, 536-46	3.9	4
21	Tissue diagnosis with magnetic resonance imaging. <i>Circulation</i> , 2007 , 116, e338	16.7	4
20	High speed bolus tagging: time resolved velocity quantification of pulsatile flow in a single breath hold. <i>Magnetic Resonance in Medicine</i> , 1994 , 32, 661-7	4.4	4
19	Fully self-gated whole-heart 4D flow imaging from a 5-minute scan. <i>Magnetic Resonance in Medicine</i> , 2021 , 85, 1222-1236	4.4	4
18	Sparsity adaptive reconstruction for highly accelerated cardiac MRI. <i>Magnetic Resonance in Medicine</i> , 2019 , 81, 3875-3887	4.4	3
17	Stress CMR in patients with obesity: insights from the Stress CMR Perfusion Imaging in the United States (SPINS) registry. <i>European Heart Journal Cardiovascular Imaging</i> , 2021 , 22, 518-527	4.1	3
16	Cartesian sampling with Variable density and Adjustable temporal resolution (CAVA). <i>Magnetic Resonance in Medicine</i> , 2020 , 83, 2015-2025	4.4	3
15	The Importance of -Space Trajectory on Off-Resonance Artifact in Segmented Echo-Planar Imaging. <i>Concepts in Magnetic Resonance Part A: Bridging Education and Research</i> , 2013 , 42A,	0.6	2
14	SC-GRAPPA: Self-constraint noniterative GRAPPA reconstruction with closed-form solution. <i>Medical Physics</i> , 2012 , 39, 7686-93	4.4	2
13	Lower Ischemic Heart Disease Diagnostic Costs With Treadmill Stress CMR Versus SPECT: A Multicenter, Randomized Trial. <i>JACC: Cardiovascular Imaging</i> , 2020 , 13, 1840-1842	8.4	2
12	Evaluation of dyspnea of unknown etiology in HIV patients with cardiopulmonary exercise testing and cardiovascular magnetic resonance imaging. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2020 , 22, 74	6.9	2
11	The Effects of a 6-Week Controlled, Hypocaloric Ketogenic Diet, With and Without Exogenous Ketone Salts, on Body Composition Responses. <i>Frontiers in Nutrition</i> , 2021 , 8, 618520	6.2	2
10	Prognostic Value of Stress Cardiac Magnetic Resonance in Patients With Known Coronary Artery Disease. <i>JACC: Cardiovascular Imaging</i> , 2021 ,	8.4	2
9	Letter to the Editor: Exercise MRI in healthy individuals-will the outlier please stand up?. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2019 , 316, R298-R399	3.2	1
8	Venous oxygen saturation estimation from multiple T2 maps with varying inter-echo spacing. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2016 , 18,	6.9	1

7	Prognostic Value of Stress CMR Perfusion Imaging in Patients With Reduced Left Ventricular Function. <i>JACC: Cardiovascular Imaging</i> , 2020 , 13, 2132-2145	8.4	1
6	Prospective correction of patient-specific respiratory motion in myocardial T ₁ and T ₂ mapping. <i>Magnetic Resonance in Medicine</i> , 2021 , 85, 855-867	4.4	1
5	Assessment of cardiac function, blood flow and myocardial tissue relaxation parameters at 0.35 T. <i>NMR in Biomedicine</i> , 2020 , 33, e4317	4.4	0
4	Patient-Adaptive Magnetic Resonance Oximetry: Comparison With Invasive Catheter Measurement of Blood Oxygen Saturation in Patients With Cardiovascular Disease. <i>Journal of Magnetic Resonance Imaging</i> , 2020 , 52, 1449-1459	5.6	0
3	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	6.9	0
2	Myocardial Ischemia without Coronary Artery Obstruction in Patients with Sickle Cell Disease.. <i>Blood</i> , 2005 , 106, 3180-3180	2.2	
1	The Asymptotic Noise Distribution in Karhunen-Loeve Transform Eigenmodes. <i>Journal of Health & Medical Informatics</i> , 2013 , 4, 122		