Martin Ugander

List of Publications by Year
in descending order

135 papers	7,900 citations	117625 34 h-index	51608 86 g-index
152 all docs	152 docs citations	152 times ranked	7987 citing authors

#	Article	IF	Citations
1	Clinical recommendations for cardiovascular magnetic resonance mapping of T1, T2, T2* and extracellular volume: A consensus statement by the Society for Cardiovascular Magnetic Resonance (SCMR) endorsed by the European Association for Cardiovascular Imaging (EACVI). Journal of Cardiovascular Magnetic Resonance, 2017, 19, 75.	3.3	1,074
2	Myocardial T1 mapping and extracellular volume quantification: a Society for Cardiovascular Magnetic Resonance (SCMR) and CMR Working Group of the European Society of Cardiology consensus statement. Journal of Cardiovascular Magnetic Resonance, 2013, 15, 92.	3.3	864
3	Design and validation of Segment - freely available software for cardiovascular image analysis. BMC Medical Imaging, 2010, 10, 1.	2.7	725
4	Extracellular volume imaging by magnetic resonance imaging provides insights into overt and sub-clinical myocardial pathology. European Heart Journal, 2012, 33, 1268-1278.	2.2	482
5	Extracellular volume fraction mapping in the myocardium, part 1: evaluation of an automated method. Journal of Cardiovascular Magnetic Resonance, 2012, 14, 60.	3.3	323
6	Myocardial Edema as Detected by Pre-Contrast T1 and T2 CMR Delineates Area at Risk Associated With Acute Myocardial Infarction. JACC: Cardiovascular Imaging, 2012, 5, 596-603.	5.3	283
7	A Pilot Study of Rapid Cooling by Cold Saline and Endovascular Cooling Before Reperfusion in Patients With ST-Elevation Myocardial Infarction. Circulation: Cardiovascular Interventions, 2010, 3, 400-407.	3.9	223
8	Extracellular volume fraction mapping in the myocardium, part 2: initial clinical experience. Journal of Cardiovascular Magnetic Resonance, 2012, 14, 61.	3.3	223
9	Differentiating Drug-Induced Multichannel Block on the Electrocardiogram: Randomized Study of Dofetilide, Quinidine, Ranolazine, and Verapamil. Clinical Pharmacology and Therapeutics, 2014, 96, 549-558.	4.7	213
10	Atrioventricular plane displacement is the major contributor to left ventricular pumping in healthy adults, athletes, and patients with dilated cardiomyopathy. American Journal of Physiology - Heart and Circulatory Physiology, 2007, 292, H1452-H1459.	3.2	207
11	Myocardial perfusion cardiovascular magnetic resonance: optimized dual sequence and reconstruction for quantification. Journal of Cardiovascular Magnetic Resonance, 2016, 19, 43.	3.3	185
12	Automated Quantification of Myocardial Infarction from MR Images by Accounting for Partial Volume Effects: Animal, Phantom, and Human Study. Radiology, 2008, 246, 581-588.	7.3	174
13	Myocardial Fibrosis Quantified by Extracellular Volume Is Associated With Subsequent Hospitalization for Heart Failure, Death, or Both Across the Spectrum of Ejection Fraction and Heart Failure Stage. Journal of the American Heart Association, 2015, 4, .	3.7	174
14	Age and gender specific normal values of left ventricular mass, volume and function for gradient echo magnetic resonance imaging: a cross sectional study. BMC Medical Imaging, 2009, 9, 2.	2.7	169
15	Temporal Relation Between Myocardial Fibrosis and Heart Failure With Preserved Ejection Fraction. JAMA Cardiology, 2017, 2, 995.	6.1	164
16	The quantitative relationship between longitudinal and radial function in left, right, and total heart pumping in humans. American Journal of Physiology - Heart and Circulatory Physiology, 2007, 293, H636-H644.	3.2	158
17	Myocardial T1 and extracellular volume fraction mapping at 3 tesla. Journal of Cardiovascular Magnetic Resonance, 2011, 13, 75.	3.3	144
18	Late sodium current block for drugâ€induced long QT syndrome: Results from a prospective clinical trial. Clinical Pharmacology and Therapeutics, 2016, 99, 214-223.	4.7	120

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19	Rapid short-duration hypothermia with cold saline and endovascular cooling before reperfusion reduces microvascular obstruction and myocardial infarct size. BMC Cardiovascular Disorders, 2008, 8, 7.	1.7	103
20	Myocardial T1 mapping with MRI: Comparison of lookâ€locker and MOLLI sequences. Journal of Magnetic Resonance Imaging, 2011, 34, 1367-1373.	3.4	98
21	Semi-automatic quantification of myocardial infarction from delayed contrast enhanced magnetic resonance imaging. Scandinavian Cardiovascular Journal, 2005, 39, 267-275.	1.2	86
22	Improving the Assessment of Heart Toxicity for All New Drugs Through Translational Regulatory Science. Clinical Pharmacology and Therapeutics, 2014, 95, 501-508.	4.7	80
23	Extracellular Volume Associates WithÂOutcomes More Strongly Than Native or Post-Contrast Myocardial T1. JACC: Cardiovascular Imaging, 2020, 13, 44-54.	5.3	68
24	Dark blood late enhancement imaging. Journal of Cardiovascular Magnetic Resonance, 2016, 18, 77.	3.3	64
25	Early Comprehensive Cardiovascular Magnetic Resonance Imaging in Patients With Myocardial Infarction With Nonobstructive Coronary Arteries. JACC: Cardiovascular Imaging, 2021, 14, 1774-1783.	5.3	46
26	A Paleolithic diet confers higher insulin sensitivity, lower C-reactive protein and lower blood pressure than a cereal-based diet in domestic pigs. Nutrition and Metabolism, 2006, 3, 39.	3.0	45
27	Hemodynamic effects of vacuum-assisted closure therapy in cardiac surgery: Assessment using magnetic resonance imaging. Journal of Thoracic and Cardiovascular Surgery, 2007, 133, 1154-1162.	0.8	43
28	Extracellular Volume and Global Longitudinal Strain Both Associate WithÂOutcomes But Correlate Minimally. JACC: Cardiovascular Imaging, 2020, 13, 2343-2354.	5.3	42
29	Myocardial Damage Detected by Late Gadolinium Enhancement Cardiovascular Magnetic Resonance Is Associated With Subsequent Hospitalization for Heart Failure. Journal of the American Heart Association, 2013, 2, e000416.	3.7	39
30	Left Ventricular Hypertrophy: The Relationship between the Electrocardiogram and Cardiovascular Magnetic Resonance Imaging. Annals of Noninvasive Electrocardiology, 2014, 19, 524-533.	1.1	39
31	Diffuse Myocardial Fibrosis Reduces Electrocardiographic Voltage Measures of Left Ventricular Hypertrophy Independent of Left Ventricular Mass. Journal of the American Heart Association, 2017, 6, .	3.7	39
32	Females have higher myocardial perfusion, blood volume and extracellular volume compared to males â€“ an adenosine stress cardiovascular magnetic resonance study. Scientific Reports, 2020, 10, 10380.	3.3	39
33	Preventing heart injury during negative pressure wound therapy in cardiac surgery: Assessment using real-time magnetic resonance imaging. Journal of Thoracic and Cardiovascular Surgery, 2009, 138, 712-717.	0.8	38
34	Optimal timing of hypothermia in relation to myocardial reperfusion. Basic Research in Cardiology, 2011, 106, 697-708.	5.9	36
35	Distinction of salvaged and infarcted myocardium within the ischaemic area-at-risk with T2 mapping. European Heart Journal Cardiovascular Imaging, 2014, 15, 1048-1053.	1.2	35
36	An Improved Method for Automatic Segmentation of the Left Ventricle in Myocardial Perfusion SPECT. Journal of Nuclear Medicine, 2009, 50, 205-213.	5.0	31

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37	Pulmonary intravascular blood volume changes through the cardiac cycle in healthy volunteers studied by cardiovascular magnetic resonance measurements of arterial and venous flow. Journal of Cardiovascular Magnetic Resonance, 2009, 11, 42.	3.3	28
38	Left ventricular mechanical dyssynchrony by cardiac magnetic resonance is greater in patients with strict vs nonstrict electrocardiogram criteria for left bundle-branch block. American Heart Journal, 2013, 165, 956-963.	2.7	28
39	Supine, prone, right and left gravitational effects on human pulmonary circulation. Journal of Cardiovascular Magnetic Resonance, 2019, 21, 69.	3.3	28
40	Pulmonary blood volume indexed to lung volume is reduced in newly diagnosed systemic sclerosis compared to normals â€“ a prospective clinical cardiovascular magnetic resonance study addressing pulmonary vascular changes. Journal of Cardiovascular Magnetic Resonance, 2013, 15, 86.	3.3	27
41	PKC and MAPK signalling pathways regulate vascular endothelin receptor expression. European Journal of Pharmacology, 2008, 580, 190-200.	3.5	26
42	Pulmonary Blood Volume Variation Decreases after Myocardial Infarction in Pigs: A Quantitative and Noninvasive MR Imaging Measure of Heart Failure. Radiology, 2010, 256, 415-423.	7.3	26
43	Markers of Focal and Diffuse Nonischemic Myocardial Fibrosis Are Associated With Adverse Cardiac Remodeling and Prognosis in Patients With Hypertension: The REMODEL Study. Hypertension, 2022, 79, 1804-1813.	2.7	25
44	Quantitative polar representation of left ventricular myocardial perfusion, function and viability using SPECT and cardiac magnetic resonance: initial results. Clinical Physiology and Functional Imaging, 2005, 25, 215-222.	1.2	24
45	The relative contributions of myocardial perfusion, blood volume and extracellular volume to native T1 and native T2 at rest and during adenosine stress in normal physiology. Journal of Cardiovascular Magnetic Resonance, 2019, 21, 73.	3.3	24
46	The endocardial extent of reperfused first-time myocardial infarction is more predictive of pathologic Q waves than is infarct transmurality: a magnetic resonance imaging study. Clinical Physiology and Functional Imaging, 2007, 27, 101-108.	1.2	23
47	Apyrase treatment of myocardial infarction according to a clinically applicable protocol fails to reduce myocardial injury in a porcine model. BMC Cardiovascular Disorders, 2010, 10, 1.	1.7	23
48	The transition from hypertension to hypertensive heart disease and heart failure: the PREFERS Hypertension study. ESC Heart Failure, 2020, 7, 737-746.	3.1	22
49	Blood correction reduces variability and gender differences in native myocardial T1 values at 1.5ÂT cardiovascular magnetic resonance â€“ a derivation/validation approach. Journal of Cardiovascular Magnetic Resonance, 2016, 19, 41.	3.3	21
50	Physiological determinants of the variation in left ventricular mass from early adolescence to late adulthood in healthy subjects. Clinical Physiology and Functional Imaging, 2007, 27, 254-262.	1.2	20
51	Wound contraction and macro-deformation during negative pressure therapy of sternotomy wounds. Journal of Cardiothoracic Surgery, 2010, 5, 75.	1.1	19
52	Comprehensive Cardiovascular Magnetic Resonance Diastolic Dysfunction Grading Shows Very Good Agreement Compared With Echocardiography. JACC: Cardiovascular Imaging, 2020, 13, 2530-2542.	5.3	19
53	Cardiovascular magnetic resonance 4D flow analysis has a higher diagnostic yield than Doppler echocardiography for detecting increased pulmonary artery pressure. BMC Medical Imaging, 2020, 20, 28.	2.7	19
54	Exercise Intolerance, Benefits, and Prescription for People Living With a Fontan Circulation: The Fontan Fitness Intervention Trial (F-FIT)â€”Rationale and Design. Frontiers in Pediatrics, 2021, 9, 799125.	1.9	19

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55	Enlarged right-sided dimensions and fibrosis of the right ventricular insertion point on cardiovascular magnetic resonance imaging is seen early in patients with pulmonary arterial hypertension associated with connective tissue disease. Scandinavian Journal of Rheumatology, 2011, 40, 133-138.	1.1	17
56	Localization of myocardial scar in patients with cardiomyopathy and left bundle branch block using electrocardiographic Selvester QRS scoring. Journal of Electrocardiology, 2013, 46, 249-255.	0.9	17
57	Rationale and design of the <scp>PREFERS</scp> (Preserved and Reduced Ejection Fraction) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf Stockholm county of 2.1 million inhabitants. European Journal of Heart Failure, 2016, 18, 1287-1297.	7.1	17
58	Myocardial SPECT perfusion defect size compared to infarct size by delayed gadolinium-enhanced magnetic resonance imaging in patients with acute or chronic infarction. Clinical Physiology and Functional Imaging, 2004, 24, 380-386.	1.2	16
59	Endothelin receptor-mediated vasodilatation: Effects of organ culture. European Journal of Pharmacology, 2008, 579, 233-240.	3.5	16
60	Physiological determinants of the variation in left ventricular mass from early adolescence to late adulthood in healthy subjects. Clinical Physiology and Functional Imaging, 2005, 25, 332-339.	1.2	15
61	The relationship between electrocardiographic left ventricular hypertrophy criteria and echocardiographic mass in patients undergoing transcatheter aortic valve replacement. Journal of Electrocardiology, 2015, 48, 630-636.	0.9	15
62	The 4th Report of the Working Group on ECG diagnosis of Left Ventricular Hypertrophy. Journal of Electrocardiology, 2017, 50, 11-15.	0.9	15
63	Sectorâ€wise goldenâ€angle phase contrast with high temporal resolution for evaluation of left ventricular diastolic dysfunction. Magnetic Resonance in Medicine, 2020, 83, 1310-1321.	3.0	15
64	Short-axis epicardial volume change is a measure of cardiac left ventricular short-axis function, which is independent of myocardial wall thickness. American Journal of Physiology - Heart and Circulatory Physiology, 2010, 298, H530-H535.	3.2	14
65	Hydraulic forces contribute to left ventricular diastolic filling. Scientific Reports, 2017, 7, 43505.	3.3	14
66	Center of volume and total heart volume variation in healthy subjects and patients before and after coronary bypass surgery. Clinical Physiology and Functional Imaging, 2005, 25, 226-233.	1.2	13
67	The relationship between left ventricular ejection fraction and infarct size assessed by MRI. Scandinavian Cardiovascular Journal, 2008, 42, 137-145.	1.2	13
68	Plasma catecholamine levels in the acute and subacute stages of takotsubo syndrome: Results from the Stockholm myocardial infarction with normal coronaries 2 study. Clinical Cardiology, 2021, 44, 1567-1574.	1.8	13
69	The electrical determinants of increased wall thickness and mass in left ventricular hypertrophy. Journal of Electrocardiology, 2020, 58, 80-86.	0.9	12
70	A method for assembling a collaborative research team from multiple disciplines and academic centers to study the relationships between ECG estimation and MRI measurement of myocardial infarct size. Journal of Electrocardiology, 2001, 34, 1-6.	0.9	11
71	Evaluation of Selvester QRS score for use in presence of conduction abnormalities in a broad population. American Heart Journal, 2015, 170, 346-352.	2.7	11
72	Investigation of potential mechanisms of sex differences in quinidine-induced torsade de pointes risk. Journal of Electrocardiology, 2015, 48, 533-538.	0.9	11

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73	Cardiac remodeling in aortic and mitral valve disease: a simulation study with clinical validation. Journal of Applied Physiology, 2019, 126, 1377-1389.	2.5	11
74	Myocardial micro-biopsy procedure for molecular characterization with increased precision and reduced trauma. Scientific Reports, 2020, 10, 8029.	3.3	11
75	Automated Inâ€Line Artificial Intelligence Measured Global Longitudinal Shortening and Mitral Annular Plane Systolic Excursion: Reproducibility and Prognostic Significance. Journal of the American Heart Association, 2022, 11, e023849.	3.7	11
76	Topical negative pressure therapy of a sternotomy wound increases sternal fluid content but does not affect internal thoracic artery blood flow: Assessment using magnetic resonance imaging. Journal of Thoracic and Cardiovascular Surgery, 2008, 135, 1007-1013.	0.8	10
77	Incidence of strict versus nonstrict left bundle branch block after transcatheter aortic valve replacement. American Heart Journal, 2015, 169, 438-444.	2.7	9
78	Specificity for each of the 46 criteria of the Selvester QRS score for electrocardiographic myocardial scar sizing in left bundle branch block. Journal of Electrocardiology, 2015, 48, 769-776.	0.9	9
79	Kinematic analysis of diastolic function using the freely available software Echo E-waves â€“ feasibility and reproducibility. BMC Medical Imaging, 2016, 16, 60.	2.7	9
80	Left ventricular volume measurements with free breathing respiratory self-gated 3-dimensional golden angle radial whole-heart cine imaging â€“ Feasibility and reproducibility. Magnetic Resonance Imaging, 2017, 43, 48-55.	1.8	9
81	Heart age estimated using explainable advanced electrocardiography. Scientific Reports, 2022, 12, .	3.3	9
82	Quantification of myocardium at risk in myocardial perfusion SPECT by coâ€registration and fusion with delayed contrastâ€enhanced magnetic resonance imaging â€“ an experimental ex vivo study. Clinical Physiology and Functional Imaging, 2012, 32, 33-38.	1.2	8
83	Agreement of left ventricular mass in steady state free precession and delayed enhancement MR images: implications for quantification of fibrosis in congenital and ischemic heart disease. BMC Medical Imaging, 2010, 10, 4.	2.7	7
84	Evaluation of the <scp>ECG</scp> based Selvester scoring method to estimate myocardial scar burden and predict clinical outcome in patients with left bundle branch block, with comparison to late gadolinium enhancement <scp>CMR</scp> imaging. Annals of Noninvasive Electrocardiology, 2017, 22, .	1.1	7
85	Synthetic late gadolinium enhancement cardiac magnetic resonance for diagnosing myocardial scar. Scandinavian Cardiovascular Journal, 2018, 52, 127-132.	1.2	7
86	Generalization of three-dimensional golden-angle radial acquisition to reduce eddy current artifacts in bSSFP CMR imaging. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2021, 34, 109-118.	2.0	7
87	Infarct transmurality and adjacent segmental function as determinants of wall thickening in revascularized chronic ischemic heart disease. Clinical Physiology and Functional Imaging, 2005, 25, 209-214.	1.2	6
88	Chronic non-transmural infarction has a delayed recovery of function following revascularization. BMC Cardiovascular Disorders, 2010, 10, 4.	1.7	6
89	Selvester QRS scoring in conduction abnormalitites: Caution recommended due to recent findings. Journal of Electrocardiology, 2015, 48, 777-778.	0.9	6
90	Cardiac Amyloidosis Shows Decreased Diastolic Function as Assessed by Echocardiographic Parameterized Diastolic Filling. Ultrasound in Medicine and Biology, 2017, 43, 1331-1338.	1.5	6

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91	Poor blood pressure control in adults with repaired coarctation of the aorta and hypertension: a register-based study of associated factors. Cardiology in the Young, 2017, 27, 1708-1715.	0.8	6
92	The ability of the electrocardiogram in left bundle branch block to detect myocardial scar determined by cardiovascular magnetic resonance. Journal of Electrocardiology, 2018, 51, 779-786.	0.9	6
93	Substantial prevalence of subclinical cardiovascular diseases in patients with hemophilia A evaluated by advanced electrocardiography. Journal of Electrocardiology, 2020, 58, 171-175.	0.9	6
94	The effect of levosimendan on survival and cardiac performance in an ischemic cardiac arrest model â€“ A blinded randomized placebo-controlled study in swine. Resuscitation, 2020, 150, 113-120.	3.0	6
95	Pulmonary blood volume measured by cardiovascular magnetic resonance: influence of pulmonary transit time methods and left atrial volume. Journal of Cardiovascular Magnetic Resonance, 2021, 23, 123.	3.3	6
96	The utility of cardiac magnetic resonance imaging in the diagnosis of adult patients with acute myocarditis: a systematic review and meta-analysis. International Journal of Cardiology, 2022, 363, 225-239.	1.7	6
97	Understanding why edema in salvaged myocardium is difficult to detect by late gadolinium enhancement. Journal of Cardiovascular Magnetic Resonance, 2012, 14, .	3.3	5
98	Blood in, blood out: left ventricular pseudoaneurysm following mitral valve endocarditis. Interactive Cardiovascular and Thoracic Surgery, 2013, 16, 547-548.	1.1	5
99	EXTRACELLULAR MATRIX EXPANSION IN NON-INFARCTED MYOCARDIUM IS ASSOCIATED WITH SUBSEQUENT DEATH, HOSPITALIZATION FOR HEART FAILURE, OR BOTH ACROSS THE EJECTION FRACTION SPECTRUM. Journal of the American College of Cardiology, 2014, 63, A1007.	2.8	5
100	Impact of left bundle branch block after transcatheter aortic valve replacement. Journal of Electrocardiology, 2014, 47, 608-611.	0.9	5
101	Selvester scoring in patients with strict LBBB using the QUARESS software. Journal of Electrocardiology, 2015, 48, 763-768.	0.9	5
102	Automated inline extracellular volume (ECV) mapping. Journal of Cardiovascular Magnetic Resonance, 2015, 17, W6.	3.3	5
103	Scientific STAFF and MALT meetings â€" past, present, and future. Journal of Electrocardiology, 2016, 49, 259-262.	0.9	5
104	Respiratory variation in left ventricular cardiac function with 3 D double goldenâ€angle wholeâ€heart cine imaging. Magnetic Resonance in Medicine, 2018, 79, 2693-2701.	3.0	5
105	A cardiac magnetic resonance imaging study of long-term and incident hemodialysis patients. Journal of Nephrology, 2019, 32, 615-626.	2.0	5
106	Cardiovascular Magnetic Resonance Imaging of Inherited Heart Conditions. Heart Lung and Circulation, 2020, 29, 584-593.	0.4	5
107	Diastolic function and its association with diabetes, hypertension and age in an outpatient population with normal stress echocardiography findings. Cardiovascular Ultrasound, 2020, 18, 46.	1.6	5
108	Edema by T2-weighted imaging in salvaged myocardium is extracellular, not intracellular. Journal of Cardiovascular Magnetic Resonance, 2011, 13, .	3.3	4

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109	Ventricular Septal Perforation Caused by the Strut of a Mitral Valve Bioprosthesis. Annals of Thoracic Surgery, 2016, 101, 1164-1166.	1.3	4
110	Detection of myocarditis using T 1 and ECV mapping is not improved by early compared to late postâ€contrast imaging. Clinical Physiology and Functional Imaging, 2019, 39, 384-392.	1.2	4
111	Diffusely Increased Myocardial Extracellular Volume With or Without Focal Late Gadolinium Enhancement. Journal of Thoracic Imaging, 2022, 37, 17-25.	1.5	4
112	Changes in cardiac pumping efficiency and intraâ€thoracic organ volume during negative pressure wound therapy of sternotomy wounds, assessment using magnetic resonance imaging. International Wound Journal, 2010, 7, 115-121.	2.9	3
113	Impact of ostium secundum atrial septal defect closure on the resolution of falsely positive electrocardiographic criteria for myocardial scarring. Journal of Electrocardiology, 2014, 47, 197-201.	0.9	3
114	028â€…Routine identification of hypoperfusion in cardiac amyloidosis by myocardial blood flow mapping. Heart, 2017, 103, A24-A24.	2.9	3
115	Pulmonary artery imaging under freeâ€breathing using goldenâ€angle radial b SSFP MRI : a proof of concept. Magnetic Resonance in Medicine, 2018, 80, 1847-1856.	3.0	3
116	Ejection fraction in left bundle branch block is disproportionately reduced in relation to amount of myocardial scar. Journal of Electrocardiology, 2018, 51, 1071-1076.	0.9	3
117	Low lead one ratio predicts clinical outcomes in left bundle branch block. Journal of Cardiovascular Electrophysiology, 2019, 30, 709-716.	1.7	3
118	The dynamics of extracellular gadolinium-based contrast agent excretion into pleural and pericardial effusions quantified by T1 mapping cardiovascular magnetic resonance. Journal of Cardiovascular Magnetic Resonance, 2019, 21, 71.	3.3	3
119	Myocardial fibrosis in type 2 diabetes is associated with functional and metabolomic parameters. International Journal of Cardiology, 2022, , .	1.7	3
120	Impact of an intensive lifestyle program on low attenuation plaque and myocardial perfusion in coronary heart disease: AÂrandomised clinical trial protocol. Nutrition and Healthy Aging, 2022, , 1-14.	1.1	3
121	Normal Reference Values for Assessing Diastolic Function Using the Parameterized Diastolic Filling Formalism Method in Patients with Normal Results of Rest and Stress Echocardiography. Ultrasound in Medicine and Biology, 2018, 44, 2261-2266.	1.5	2
122	Predicting the Development of Reduced Left Ventricular Ejection Fraction in Patients With Left Bundle Branch Block. American Journal of Cardiology, 2020, 137, 39-44.	1.6	2
123	Stationary tissue background correction increases the precision of clinical evaluation of intra-cardiac shunts by cardiovascular magnetic resonance. Scientific Reports, 2020, 10, 5053.	3.3	2
124	Hydraulic force is a novel mechanism of diastolic function that may contribute to decreased diastolic filling in HFpEF and facilitate filling in HFrEF. Journal of Applied Physiology, 2021, 130, 993-1000.	2.5	2
125	Automated calculation of infarct transmurality. , 2007, , .		1
126	The pulmonary blood volume variation is higher in patients with heart failure compared to healthy controls. Journal of Cardiovascular Magnetic Resonance, 2014, 16, P288.	3.3	1

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127	Projection-based respiratory-resolved left ventricular volume measurements in patients using free-breathing double golden-angle 3D radial acquisition. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2019, 32, 331-341.	2.0	1
128	Heart filling exceeds emptying during late ventricular systole in patients with systolic heart failure and healthy subjects â€“ a cardiac MRI study. Clinical Physiology and Functional Imaging, 2019, 39, 192-200.	1.2	1
129	Exercise CMR T1 Mapping for Myocardial Ischemia Testing. JACC: Cardiovascular Imaging, 2020, 13, 681-683.	5.3	1
130	Predicting peri-operative troponin elevation by advanced electrocardiography. Journal of Electrocardiology, 2021, 68, 1-5.	0.9	1
131	The pulmonary blood density in newly diagnosed systemic sclerosis. Journal of Cardiovascular Magnetic Resonance, 2010, 12, .	3.3	0
132	Evaluation of systemic capillary leak syndrome patients with cardiac magnetic resonance imaging. Journal of Cardiovascular Magnetic Resonance, 2012, 14, .	3.3	0
133	Mechanistic validation of the 2016 American Society of Echocardiography/European Association of Cardiovascular Imaging Guidelines for the assessment of diastolic dysfunction in heart failure with reduced ejection fraction. Cardiovascular Ultrasound, 2020, 18, 42.	1.6	0
134	Lead one ratio in left bundle branch block predicts poor cardiac resynchronization therapy response. PACE - Pacing and Clinical Electrophysiology, 2020, 43, 503-510.	1.2	0
135	Looking for the Right Diagnosis? Cardiovascular Magnetic Resonance Imaging Can Help Differentiate Cardiomyopathies. Heart Lung and Circulation, 2021, 31, 7-16.	0.4	0