HÃ¥kan Arheden

List of Publications by Year
in descending order

167 papers	6,728 citations	76326 40 h-index	71685 76 g-index
172 all docs	172 docs citations	172 times ranked	6240 citing authors

#	Article	IF	Citations
1	Pulmonary perfusion and NYHA classification improve after cardiac resynchronization therapy. Journal of Nuclear Cardiology, 2022, 29, 2974-2983.	2.1	2
2	Myocardial perfusion by CMR coronary sinus flow shows sex differences and lowered perfusion at stress in patients with suspected microvascular angina. Clinical Physiology and Functional Imaging, 2022, 42, 208-219.	1.2	4
3	Hemodynamic force analysis is not ready for clinical trials on HFpEF. Scientific Reports, 2022, 12, 4017.	3.3	10
4	Ventricular longitudinal function by cardiovascular magnetic resonance predicts cardiovascular morbidity in HFrEF patients. ESC Heart Failure, 2022, 9, 2313-2324.	3.1	3
5	Atrioventricular plane displacement and regional function to predict outcome in pulmonary arterial hypertension. International Journal of Cardiovascular Imaging, 2022, 38, 2235-2248.	0.6	1
6	Haemodynamic leftâ€ventricular changes during dobutamine stress in patients with atrial septal defect assessed with magnetic resonance imagingâ€based pressureâ€“volume loops. Clinical Physiology and Functional Imaging, 2022, 42, 422-429.	1.2	3
7	Appropriate coronary revascularization can be accomplished if myocardial perfusion is quantified by positron emission tomography prior to treatment decision. Journal of Nuclear Cardiology, 2021, 28, 1664-1672.	2.1	3
8	Underfilling decreases left ventricular function in pulmonary arterial hypertension. International Journal of Cardiovascular Imaging, 2021, 37, 1745-1755.	1.5	9
9	Utility of Fetal Cardiovascular Magnetic Resonance for Prenatal Diagnosis of Complex Congenital Heart Defects. JAMA Network Open, 2021, 4, e213538.	5.9	28
10	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
11	Nonâ€invasive quantification of pressureâ€volume loops from cardiovascular magnetic resonance at rest and during dobutamine stress. Clinical Physiology and Functional Imaging, 2021, 41, 467-470.	1.2	8
12	Anterior STEMI associated with decreased strain in remote cardiac myocardium. International Journal of Cardiovascular Imaging, 2021, , 1.	1.5	3
13	To what extent are perfusion defects seen by myocardial perfusion SPECT in patients with left bundle branch block related to myocardial infarction, ECG characteristics, and myocardial wall motion?. Journal of Nuclear Cardiology, 2021, 28, 2910-2922.	2.1	6
14	Regional contributions to left ventricular stroke volume determined by cardiac magnetic resonance imaging in cardiac resynchronization therapy. BMC Cardiovascular Disorders, 2021, 21, 519.	1.7	0
15	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
16	MVnet: automated time-resolved tracking of the mitral valve plane in CMR long-axis cine images with residual neural networks: a multi-center, multi-vendor study. Journal of Cardiovascular Magnetic Resonance, 2021, 23, 137.	3.3	6
17	Qualitative assessments of myocardial ischemia by cardiac MRI and coronary stenosis by invasive coronary angiography in relation to quantitative perfusion by positron emission tomography in patients with known or suspected stable coronary artery disease. Journal of Nuclear Cardiology, 2020, 27, 2351-2359.	2.1	4
18	Freeâ€breathing fetal cardiac MRI with doppler ultrasound gating, compressed sensing, and motion compensation. Journal of Magnetic Resonance Imaging, 2020, 51, 260-272.	3.4	25

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19	Measuring extracellular volume fraction by MRI: First verification of values given by clinical sequences. Magnetic Resonance in Medicine, 2020, 83, 662-672.	3.0	5
20	Changes in left and right ventricular longitudinal function after pulmonary valve replacement in patients with Tetralogy of Fallot. American Journal of Physiology - Heart and Circulatory Physiology, 2020, 318, H345-H353.	3.2	6
21	Increased pulmonary blood volume variation in patients with heart failure compared to healthy controls: a noninvasive, quantitative measure of heart failure. Journal of Applied Physiology, 2020, 128, 324-337.	2.5	4
22	Deranged Lung Perfusion Pattern in Patients With Heart Failure Normalizes After Heart Transplantation. Circulation: Cardiovascular Imaging, 2020, 13, e011102.	2.6	2
23	Quantification of left ventricular contribution to stroke work by longitudinal and radial force-length loops. Journal of Applied Physiology, 2020, 129, 880-890.	2.5	4
24	Risk assessment in PAH using quantitative CMR tricuspid regurgitation: relation to heart catheterization. ESC Heart Failure, 2020, 7, 1653-1663.	3.1	4
25	Oxygen therapy in patients with ST elevation myocardial infarction based on the culprit vessel: results from the randomized controlled SOCCER trial. BMC Emergency Medicine, 2020, 20, 12.	1.9	1
26	Worst lead ST deviation and resolution of ST elevation at one hour for prediction of myocardial salvage, infarct size, and microvascular obstruction in patients with STâ€elevation myocardial infarction treated with primary percutaneous coronary intervention. Annals of Noninvasive Electrocardiology, 2020, 25, e12784.	1.1	3
27	Evolution of left ventricular function among subjects with ST-elevation myocardial infarction after percutaneous coronary intervention. BMC Cardiovascular Disorders, 2020, 20, 309.	1.7	3
28	Cardiovascular effects of severe late-onset preeclampsia are reversed within six months postpartum. Pregnancy Hypertension, 2020, 19, 18-24.	1.4	8
29	Validation and reproducibility of cardiovascular 4D-flow MRI from two vendors using 2â€‰Ã—â€‰2 parallel imaging acceleration in pulsatile flow phantom and inÂvivo with and without respiratory gating. Acta Radiologica, 2019, 60, 327-337.	1.1	41
30	CMR feature tracking in cardiac asymptomatic systemic sclerosis: Clinical implications. PLoS ONE, 2019, 14, e0221021.	2.5	18
31	Cardiac MRI Endpoints in MyocardialÂInfarction Experimental andÂClinicalÂTrials. Journal of the American College of Cardiology, 2019, 74, 238-256.	2.8	235
32	Gender but not diabetes, hypertension or smoking affects infarct evolution in ST-elevation myocardial infarction patients â€" data from the CHILL-MI, MITOCARE and SOCCER trials. BMC Cardiovascular Disorders, 2019, 19, 161.	1.7	5
33	Transcatheter closure of atrial septal defect in adults: time-course of atrial and ventricular remodeling and effects on exercise capacity. International Journal of Cardiovascular Imaging, 2019, 35, 2077-2084.	1.5	12
34	A new vessel segmentation algorithm for robust blood flow quantification from twoâ€dimensional phaseâ€contrast magnetic resonance images. Clinical Physiology and Functional Imaging, 2019, 39, 327-338.	1.2	15
35	Comparison of short axis and long axis acquisitions of T1 and extracellular volume mapping using MOLLI and SASHA in patients with myocardial infarction and healthy volunteers. BMC Medical Imaging, 2019, 19, 18.	2.7	2
36	Quantification of blood flow in the fetus with cardiovascular magnetic resonance imaging using Doppler ultrasound gating: validation against metric optimized gating. Journal of Cardiovascular Magnetic Resonance, 2019, 21, 74.	3.3	19

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37	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
38	Decreased biventricular longitudinal strain in patients with systemic sclerosis is mainly caused by pulmonary hypertension and not by systemic sclerosis <i>per se</i>. Clinical Physiology and Functional Imaging, 2019, 39, 215-225.	1.2	20
39	Noninvasive Quantification of Pressure-Volume Loops From Brachial Pressure and Cardiovascular Magnetic Resonance. Circulation: Cardiovascular Imaging, 2019, 12, e008493.	2.6	49
40	Effect of Intravascular Cooling on Microvascular Obstruction (MVO) in Conscious Patients with ST-Elevation Myocardial Infarction Undergoing Primary PCI: Results from the COOL AMI EU Pilot Study. Cardiovascular Revascularization Medicine, 2019, 20, 799-804.	0.8	10
41	Independent validation of metric optimized gating for fetal cardiovascular phaseâ€contrast flow imaging. Magnetic Resonance in Medicine, 2019, 81, 495-503.	3.0	11
42	Effect of oxygen therapy on myocardial salvage in ST elevation myocardial infarction: the randomized SOCCER trial. European Journal of Emergency Medicine, 2018, 25, 78-84.	1.1	34
43	Correlation of anteroseptal ST elevation with myocardial infarction territories through cardiovascular magnetic resonance imaging. Journal of Electrocardiology, 2018, 51, 563-568.	0.9	4
44	Disturbed left and right ventricular kinetic energy in patients with repaired tetralogy of Fallot: pathophysiological insights using 4D-flow MRI. European Radiology, 2018, 28, 4066-4076.	4.5	45
45	Simulation-based quantification of native T1 and T2 of the myocardium using a modified MOLLI scheme and the importance of Magnetization Transfer. Magnetic Resonance Imaging, 2018, 48, 96-106.	1.8	12
46	Response by Jablonowski et al to Letter Regarding Article, â€œCardiovascular Magnetic Resonance to Predict Appropriate Implantable Cardioverter Defibrillator Therapy in Ischemic and Nonischemic Cardiomyopathy Patients Using Late Gadolinium Enhancement Border Zone: Comparison of Four Analysis Methodsâ€. Circulation: Cardiovascular Imaging, 2018, 11, e007333.	2.6	0
47	Functional Contribution ofÂCircumferential Versus Longitudinal Strain. Journal of the American College of Cardiology, 2018, 71, 254-255.	2.8	6
48	Longitudinal left ventricular function is globally depressed within a week of <scp>STEMI</scp>. Clinical Physiology and Functional Imaging, 2018, 38, 1029-1037.	1.2	9
49	Correlation of ST changes in leads V4â€“V6 to area of ischemia by CMR in inferior STEMI. Scandinavian Cardiovascular Journal, 2018, 52, 189-195.	1.2	2
50	Appropriateness of anteroseptal myocardial infarction nomenclature evaluated by late gadolinium enhancement cardiovascular magnetic resonance imaging. Journal of Electrocardiology, 2018, 51, 218-223.	0.9	2
51	Alterations in ventricular pumping in patients with atrial septal defect at rest, during dobutamine stress and after defect closure. Clinical Physiology and Functional Imaging, 2018, 38, 830-839.	1.2	7
52	Gender aspects on exerciseâ€induced ECG changes in relation to scintigraphic evidence of myocardial ischaemia. Clinical Physiology and Functional Imaging, 2018, 38, 798-807.	1.2	3
53	Cardiac Magnetic Resonance Evaluation of the Extent of Myocardial Injury in Patients with Inferior ST Elevation Myocardial Infarction and Concomitant ST Depression in Leads V1â€“V3: Analysis from the MITOCARE Study. Cardiology, 2018, 140, 178-185.	1.4	6
54	Altered biventricular hemodynamic forces in patients with repaired tetralogy of Fallot and right ventricular volume overload because of pulmonary regurgitation. American Journal of Physiology - Heart and Circulatory Physiology, 2018, 315, H1691-H1702.	3.2	24

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55	Hemodynamic forces using four-dimensional flow MRI: an independent biomarker of cardiac function in heart failure with left ventricular dyssynchrony?. American Journal of Physiology - Heart and Circulatory Physiology, 2018, 315, H1627-H1639.	3.2	27
56	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
57	Increased right atrial volume measured with cardiac magnetic resonance is associated with worse clinical outcome in patients with preâ€capillary pulmonary hypertension. ESC Heart Failure, 2018, 5, 864-875.	3.1	21
58	Diagnosing and grading heart failure with tomographic perfusion lung scintigraphy: validation with right heart catheterization. ESC Heart Failure, 2018, 5, 902-910.	3.1	12
59	The significance of STâ€elevation in aVL in anterolateral myocardial infarction: An assessment by cardiac magnetic resonance imaging. Annals of Noninvasive Electrocardiology, 2018, 23, e12580.	1.1	7
60	Hemodynamic forces in the left and right ventricles of the human heart using 4D flow magnetic resonance imaging: Phantom validation, reproducibility, sensitivity to respiratory gating and free analysis software. PLoS ONE, 2018, 13, e0195597.	2.5	24
61	Decreased global myocardial perfusion at adenosine stress as a potential new biomarker for microvascular disease in systemic sclerosis: a magnetic resonance study. BMC Cardiovascular Disorders, 2018, 18, 16.	1.7	26
62	Importance of standardizing timing of hematocrit measurement when using cardiovascular magnetic resonance to calculate myocardial extracellular volume (ECV) based on pre- and post-contrast T1 mapping. Journal of Cardiovascular Magnetic Resonance, 2018, 20, 46.	3.3	22
63	Predictive Value of High-Sensitivity Troponin T for Systolic Dysfunction and Infarct Size (Six Months) After ST-Elevation Myocardial Infarction. American Journal of Cardiology, 2018, 122, 735-743.	1.6	10
64	Self-gated fetal cardiac MRI with tiny golden angle iGRASP: A feasibility study. Journal of Magnetic Resonance Imaging, 2017, 46, 207-217.	3.4	45
65	Left and right ventricular hemodynamic forces in healthy volunteers and elite athletes assessed with 4D flow magnetic resonance imaging. American Journal of Physiology - Heart and Circulatory Physiology, 2017, 312, H314-H328.	3.2	45
66	Hydraulic forces contribute to left ventricular diastolic filling. Scientific Reports, 2017, 7, 43505.	3.3	14
67	Decreased Diastolic Ventricular Kinetic Energy in Young Patients with Fontan Circulation Demonstrated by Four-Dimensional Cardiac Magnetic Resonance Imaging. Pediatric Cardiology, 2017, 38, 669-680.	1.3	30
68	Recent Advances in Cardiovascular Magnetic Resonance. Circulation: Cardiovascular Imaging, 2017, 10, .	2.6	111
69	Cardiovascular Magnetic Resonance to Predict Appropriate Implantable Cardioverter Defibrillator Therapy in Ischemic and Nonischemic Cardiomyopathy Patients Using Late Gadolinium Enhancement Border Zone. Circulation: Cardiovascular Imaging, 2017, 10, .	2.6	39
70	The radiation dose to overweighted patients undergoing myocardial perfusion SPECT can be significantly reduced: validation of a linear weight-adjusted activity administration protocol. Journal of Nuclear Cardiology, 2017, 24, 1912-1921.	2.1	8
71	On estimating intraventricular hemodynamic forces from endocardial dynamics: A comparative study with 4D flow MRI. Journal of Biomechanics, 2017, 60, 203-210.	2.1	46
72	Time-resolved tracking of the atrioventricular plane displacement in Cardiovascular Magnetic Resonance (CMR) images. BMC Medical Imaging, 2017, 17, 19.	2.7	35

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73	Myocardium at Risk by Early Gadolinium Enhancement MR Imaging. JACC: Cardiovascular Imaging, 2017, 10, 140-142.	5.3	0
74	Longitudinal shortening remains the principal component of left ventricular pumping in patients with chronic myocardial infarction even when the absolute atrioventricular plane displacement is decreased. BMC Cardiovascular Disorders, 2017, 17, 208.	1.7	15
75	Sources of variability in quantification of cardiovascular magnetic resonance infarct size - reproducibility among three core laboratories. Journal of Cardiovascular Magnetic Resonance, 2017, 19, 62.	3.3	40
76	Changes in blood volume shunting in patients with atrial septal defects: assessment of heart function with cardiovascular magnetic resonance during dobutamine stress. European Heart Journal Cardiovascular Imaging, 2017, 18, 1145-1152.	1.2	11
77	Sample Size in Clinical Cardioprotection Trials Using Myocardial Salvage Index, Infarct Size, or Biochemical Markers as Endpoint. Journal of the American Heart Association, 2016, 5, e002708.	3.7	31
78	Validation of T1 and T2 algorithms for quantitative MRI: performance by a vendor-independent software. BMC Medical Imaging, 2016, 16, 46.	2.7	12
79	Stress-induced ST elevation with or without concomitant ST depression is predictive of presence, location and amount of myocardial ischemia assessed by myocardial perfusion SPECT, whereas isolated stress-induced ST depression is not. Journal of Electrocardiology, 2016, 49, 307-315.	0.9	2
80	Multi-vendor, multicentre comparison of contrast-enhanced SSFP and T2-STIR CMR for determining myocardium at risk in ST-elevation myocardial infarction. European Heart Journal Cardiovascular Imaging, 2016, 17, 744-753.	1.2	47
81	Extent of Myocardium at Risk for Left Anterior Descending Artery, Right Coronary Artery, and Left Circumflex Artery Occlusion Depicted by Contrast-Enhanced Steady State Free Precession and T2-Weighted Short Tau Inversion Recovery Magnetic Resonance Imaging. Circulation: Cardiovascular Imaging, 2016, 9, .	2.6	20
82	Vortex ring behavior provides the epigenetic blueprint for the human heart. Scientific Reports, 2016, 6, 22021.	3.3	69
83	Intracardiac hemodynamic forces using 4D flow: a new reproducible method applied to healthy controls, elite athletes and heart failure patients. Journal of Cardiovascular Magnetic Resonance, 2016, 18, Q61.	3.3	5
84	Independent validation of fourâ€dimensional flow MR velocities and vortex ring volume using particle imaging velocimetry and planar laserâ€induced fluorescence. Magnetic Resonance in Medicine, 2016, 75, 1064-1075.	3.0	35
85	A new automatic algorithm for quantification of myocardial infarction imaged by late gadolinium enhancement cardiovascular magnetic resonance: experimental validation and comparison to expert delineations in multi-center, multi-vendor patient data. Journal of Cardiovascular Magnetic Resonance, 2016, 18, 27.	3.3	67
86	The Authors Reply:. JACC: Cardiovascular Imaging, 2016, 9, 1016-1017.	5.3	0
87	Automatic segmentation of myocardium at risk from contrast enhanced SSFP CMR: validation against expert readers and SPECT. BMC Medical Imaging, 2016, 16, 19.	2.7	11
88	Vortexâ€ring mixing as a measure of diastolic function of the human heart: Phantom validation and initial observations in healthy volunteers and patients with heart failure. Journal of Magnetic Resonance Imaging, 2016, 43, 1386-1397.	3.4	15
89	Intramyocardial Hemorrhage in Acute Myocardial Infarction. Circulation: Cardiovascular Imaging, 2016, 9, e004418.	2.6	6
90	Ischemic QRS prolongation as a biomarker of severe myocardial ischemia. Journal of Electrocardiology, 2016, 49, 139-147.	0.9	11

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91	Experimental validation of contrast-enhanced SSFP cine CMR for quantification of myocardium at risk in acute myocardial infarction. Journal of Cardiovascular Magnetic Resonance, 2016, 19, 12.	3.3	22
92	Fully quantitative cardiovascular magnetic resonance myocardial perfusion ready for clinical use: a comparison between cardiovascular magnetic resonance imaging and positron emission tomography. Journal of Cardiovascular Magnetic Resonance, 2016, 19, 78.	3.3	110
93	Letter to the Editor: Atrioventricular plane displacement is not the sole mechanism of atrial and ventricular refill. American Journal of Physiology - Heart and Circulatory Physiology, 2015, 309, H1094-H1096.	3.2	4
94	Parallel simulations for QUAntifying RElaxation magnetic resonance constants (SQUAREMR): an example towards accurate MOLLI T1 measurements. Journal of Cardiovascular Magnetic Resonance, 2015, 17, 104.	3.3	19
95	Left ventricular fluid kinetic energy time curves in heart failure from cardiovascular magnetic resonance 4D flow data. Journal of Cardiovascular Magnetic Resonance, 2015, 17, 111.	3.3	76
96	Submaximal adenosineâ€induced coronary hyperaemia with 12Âh caffeine abstinence: implications for clinical adenosine perfusion imaging tests. Clinical Physiology and Functional Imaging, 2015, 35, 49-56.	1.2	24
97	Validation and Development of a New Automatic Algorithm for Time-Resolved Segmentation of the Left Ventricle in Magnetic Resonance Imaging. BioMed Research International, 2015, 2015, 1-12.	1.9	33
98	Therapeutic Hypothermia for the Treatment of Acute Myocardial Infarctionâ€"Combined Analysis of the RAPID MI-ICE and the CHILL-MI Trials. Therapeutic Hypothermia and Temperature Management, 2015, 5, 77-84.	0.9	54
99	Contrast-Enhanced CMR Overestimates Early Myocardial Infarct Size. JACC: Cardiovascular Imaging, 2015, 8, 1379-1389.	5.3	55
100	Diagnostic performance of the Selvester QRS scoring system in relation to clinical ECG assessment of patients with lateral myocardial infarction using cardiac magnetic resonance as reference standard. Journal of Electrocardiology, 2015, 48, 750-757.	0.9	2
101	Regional Stress-Induced Ischemia in Non-fibrotic Hypertrophied Myocardium in Young HCM Patients. Pediatric Cardiology, 2015, 36, 1662-1669.	1.3	20
102	Whole-heart four-dimensional flow can be acquired with preserved quality without respiratory gating, facilitating clinical use: a head-to-head comparison. BMC Medical Imaging, 2015, 15, 20.	2.7	42
103	Effect of intravenous TRO40303 as an adjunct to primary percutaneous coronary intervention for acute ST-elevation myocardial infarction: MITOCARE study results. European Heart Journal, 2015, 36, 112-119.	2.2	154
104	Regional wall function before and after acute myocardial infarction; an experimental study in pigs. BMC Cardiovascular Disorders, 2014, 14, 118.	1.7	9
105	Young patients with hypertrophic cardiomyopathy, but not subjects at risk, show decreased myocardial perfusion reserve quantified with CMR. European Heart Journal Cardiovascular Imaging, 2014, 15, 1350-1357.	1.2	20
106	Validation of an automated method to quantify stress-induced ischemia and infarction in rest-stress myocardial perfusion SPECT. Journal of Nuclear Cardiology, 2014, 21, 503-518.	2.1	4
107	Rapid Endovascular Catheter Core Cooling Combined With Cold Saline as an Adjunct toÂPercutaneous Coronary Intervention for theÂTreatment of Acute Myocardial Infarction. Journal of the American College of Cardiology, 2014, 63, 1857-1865.	2.8	203
108	The relationship between longitudinal, lateral, and septal contribution to stroke volume in patients with pulmonary regurgitation and healthy volunteers. American Journal of Physiology - Heart and Circulatory Physiology, 2014, 306, H895-H903.	3.2	38

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109	Quantification of myocardial salvage by myocardial perfusion SPECT and cardiac magnetic resonance â€" reference standards for ECG development. Journal of Electrocardiology, 2014, 47, 525-534.	0.9	4
110	Head-to-head comparison of a 2-day myocardial perfusion gated SPECT protocol and cardiac magnetic resonance late gadolinium enhancement for the detection of myocardial infarction. Journal of Nuclear Cardiology, 2013, 20, 797-803.	2.1	4
111	Longitudinal strain from velocity encoded cardiovascular magnetic resonance: a validation study. Journal of Cardiovascular Magnetic Resonance, 2013, 15, 15.	3.3	14
112	Moderate intensity supine exercise causes decreased cardiac volumes and increased outer volume variations: a cardiovascular magnetic resonance study. Journal of Cardiovascular Magnetic Resonance, 2013, 15, 96.	3.3	31
113	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
114	A longitudinal study on cardiac effects of deconditioning and physical reconditioning using the anterior cruciate ligament injury as a model. Clinical Physiology and Functional Imaging, 2013, 33, 423-430.	1.2	10
115	Quantification of left and right atrial kinetic energy using four-dimensional intracardiac magnetic resonance imaging flow measurements. Journal of Applied Physiology, 2013, 114, 1472-1481.	2.5	53
116	Myocardium at risk can be determined by ex vivo T2-weighted magnetic resonance imaging even in the presence of gadolinium: comparison to myocardial perfusion single photon emission computed tomography. European Heart Journal Cardiovascular Imaging, 2013, 14, 261-268.	1.2	15
117	Myocardium at risk by magnetic resonance imaging: head-to-head comparison of T2-weighted imaging and contrast-enhanced steady-state free precession. European Heart Journal Cardiovascular Imaging, 2012, 13, 1008-1015.	1.2	34
118	Vortex Ring Formation in the Left Ventricle of the Heart: Analysis by 4D Flow MRI and Lagrangian Coherent Structures. Annals of Biomedical Engineering, 2012, 40, 2652-2662.	2.5	114
119	Semi-automatic segmentation of myocardium at risk in T2-weighted cardiovascular magnetic resonance. Journal of Cardiovascular Magnetic Resonance, 2012, 14, 20.	3.3	22
120	Cardiac output and cardiac index measured with cardiovascular magnetic resonance in healthy subjects, elite athletes and patients with congestive heart failure. Journal of Cardiovascular Magnetic Resonance, 2012, 14, 51.	3.3	77
121	Quantification of myocardium at risk in myocardial perfusion SPECT by coâ€registration and fusion with delayed contrastâ€enhanced magnetic resonance imaging â€" an experimental <i>ex vivo</i> study. Clinical Physiology and Functional Imaging, 2012, 32, 33-38.	1.2	8
122	Effects of oxygen inhalation on cardiac output, coronary blood flow and oxygen delivery in healthy individuals, assessed with MRI. European Journal of Emergency Medicine, 2011, 18, 25-30.	1.1	41
123	Development and validation of a new automatic algorithm for quantification of left ventricular volumes and function in gated myocardial perfusion SPECT using cardiac magnetic resonance as reference standard. Journal of Nuclear Cardiology, 2011, 18, 874-885.	2.1	15
124	Volume Tracking: A new method for quantitative assessment and visualization of intracardiac blood flow from three-dimensional, time-resolved, three-component magnetic resonance velocity mapping. BMC Medical Imaging, 2011, 11, 10.	2.7	25
125	Quantification and visualization of cardiovascular 4D velocity mapping accelerated with parallel imaging or k-t BLAST: head to head comparison and validation at 1.5 T and 3 T. Journal of Cardiovascular Magnetic Resonance, 2011, 13, 55.	3.3	91
126	Initial results of inflammatory response, matrix remodeling, and reactive oxygen species following PCI in acute ischemic myocardial injury in man. Journal of Invasive Cardiology, 2011, 23, 371-6.	0.4	4

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127	An automatic method for quantification of myocardium at risk from myocardial perfusion SPECT in patients with acute coronary occlusion. Journal of Nuclear Cardiology, 2010, 17, 831-840.	2.1	9
128	Treatment with the C5a receptor antagonist ADC-1004 reduces myocardial infarction in a porcine ischemia-reperfusion model. BMC Cardiovascular Disorders, 2010, 10, 45.	1.7	39
129	Design and validation of Segment - freely available software for cardiovascular image analysis. BMC Medical Imaging, 2010, 10, 1.	2.7	725
130	Cardiovascular magnetic resonance of the myocardium at risk in acute reperfused myocardial infarction: comparison of T2-weighted imaging versus the circumferential endocardial extent of late gadolinium enhancement with transmural projection. Journal of Cardiovascular Magnetic Resonance, 2010, 12, 18.	3.3	42
131	Assessment of myocardium at risk with contrast enhanced steady-state free precession cine cardiovascular magnetic resonance compared to single-photon emission computed tomography. Journal of Cardiovascular Magnetic Resonance, 2010, 12, 25.	3.3	67
132	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
133	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
134	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
135	Clinical physiology: a successful academic and clinical discipline is threatened in Sweden. American Journal of Physiology - Advances in Physiology Education, 2009, 33, 265-267.	1.6	0
136	Rapid Initial Reduction of Hyperenhanced Myocardium After Reperfused First Myocardial Infarction Suggests Recovery of the Peri-Infarction Zone. Circulation: Cardiovascular Imaging, 2009, 2, 47-55.	2.6	113
137	Location of myocardium at risk in patients with first-time ST-elevation infarction: comparison among single photon emission computed tomography, magnetic resonance imaging, and electrocardiography. Journal of Electrocardiology, 2009, 42, 198-203.	0.9	13
138	The Dipolar ElectroCARdioTOpographic (DECARTO)â€"like method for graphic presentation of location and extent of area at risk estimated from ST-segment deviations in patients with acute myocardial infarction. Journal of Electrocardiology, 2009, 42, 172-180.	0.9	18
139	Vectorcardiogram synthesized from the 12-lead electrocardiogram to image ischemia. Journal of Electrocardiology, 2009, 42, 190-197.	0.9	19
140	Disappearance of myocardial perfusion defects on prone SPECT imaging: Comparison with cardiac magnetic resonance imaging in patients without established coronary artery disease. BMC Medical Imaging, 2009, 9, 16.	2.7	10
141	Infarct evolution in man studied in patients with first-time coronary occlusion in comparison to different species - implications for assessment of myocardial salvage. Journal of Cardiovascular Magnetic Resonance, 2009, 11, 38.	3.3	95
142	Myocardium at Risk After Acute Infarction in Humans on Cardiac Magnetic Resonance. JACC: Cardiovascular Imaging, 2009, 2, 569-576.	5.3	184
143	Quantifying coronary sinus flow and global LV perfusion at 3T. BMC Medical Imaging, 2009, 9, 9.	2.7	26
144	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

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145	Magnetic resonance imaging as a potential gold standard for infarct quantification. Journal of Electrocardiology, 2008, 41, 614-620.	0.9	34
146	The relationship between left ventricular ejection fraction and infarct size assessed by MRI. Scandinavian Cardiovascular Journal, 2008, 42, 137-145.	1.2	13
147	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
148	Peak CKMB and cTnT accurately estimates myocardial infarct size after reperfusion. Scandinavian Cardiovascular Journal, 2007, 41, 44-50.	1.2	41
149	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
150	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
151	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
152	Evaluation of left ventricular volumes and ejection fraction by automated gated myocardial SPECT versus cardiovascular magnetic resonance. Clinical Physiology and Functional Imaging, 2005, 25, 135-141.	1.2	49
153	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
154	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
155	The relationship between electrical axis by 12-lead electrocardiogram and anatomical axis of the heart by cardiac magnetic resonance in healthy subjects. American Heart Journal, 2005, 150, 507-512.	2.7	51
156	Size and transmural extent of first-time reperfused myocardial infarction assessed by cardiac magnetic resonance can be estimated by 12-lead electrocardiogram. American Heart Journal, 2005, 150, 920.e1-920.e9.	2.7	49
157	Semi-automatic quantification of myocardial infarction from delayed contrast enhanced magnetic resonance imaging. Scandinavian Cardiovascular Journal, 2005, 39, 267-275.	1.2	86
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