

Assessment of ventricular function and mass by cardiac

European Radiology

14, 1813-22

DOI: [10.1007/s00330-004-2387-0](https://doi.org/10.1007/s00330-004-2387-0)

Citation Report

#	ARTICLE	IF	CITATIONS
1	A review of the complementary information available with cardiac magnetic resonance imaging and multi-slice computed tomography (CT) during the study of congenital heart disease. <i>International Journal of Cardiovascular Imaging</i> , 2004, 20, 569-578.	0.7	53
2	Sixteen-slice spiral CT versus MR imaging for the assessment of left ventricular function in acute myocardial infarction. <i>European Radiology</i> , 2005, 15, 714-720.	2.3	132
3	Assessment of systolic and diastolic ventricular properties via pressure-volume analysis: a guide for clinical, translational, and basic researchers. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2005, 289, H501-H512.	1.5	624
4	Volumetric Quantification of Global and Regional Left Ventricular Function From Real-Time Three-Dimensional Echocardiographic Images. <i>Circulation</i> , 2005, 112, 1161-1170.	1.6	220
5	Real-time Three-dimensional Color Doppler Echocardiography Overcomes the Inaccuracies of Spectral Doppler for Stroke Volume Calculation. <i>Journal of the American Society of Echocardiography</i> , 2006, 19, 1403-1410.	1.2	19
6	Quantification of Regional Left Ventricular Wall Motion from Real-time 3-Dimensional Echocardiography in Patients with Poor Acoustic Windows: Effects of Contrast Enhancement Tested Against Cardiac Magnetic Resonance. <i>Journal of the American Society of Echocardiography</i> , 2006, 19, 886-893.	1.2	55
7	Real-time Simultaneous Triplane Contrast Echocardiography Gives Rapid, Accurate, and Reproducible Assessment of Left Ventricular Volumes and Ejection Fraction: A Comparison with Magnetic Resonance Imaging. <i>Journal of the American Society of Echocardiography</i> , 2006, 19, 1494-1501.	1.2	40
8	MR-based coronary artery blood velocity measurements in patients without coronary artery disease. <i>European Radiology</i> , 2006, 16, 1124-1130.	2.3	11
9	Global left ventricular function in cardiac CT. Evaluation of an automated 3D region-growing segmentation algorithm. <i>European Radiology</i> , 2006, 16, 1117-1123.	2.3	79
10	Automated vs. manual assessment of left ventricular function in cardiac multidetector row computed tomography: comparison with magnetic resonance imaging. <i>European Radiology</i> , 2006, 16, 1416-1423.	2.3	65
11	Characterization of Alterations in Diabetic Myocardial Tissue Using High Resolution MRI. <i>International Journal of Cardiovascular Imaging</i> , 2006, 22, 81-90.	0.7	44
12	Positive effects of nitric oxide on left ventricular function in humans. <i>European Heart Journal</i> , 2006, 27, 1699-1705.	1.0	96
13	State-of-the-Art Imaging Techniques in Chronic Thromboembolic Pulmonary Hypertension. <i>Proceedings of the American Thoracic Society</i> , 2006, 3, 577-583.	3.5	102
14	Impact of Unrecognized Myocardial Scar Detected by Cardiac Magnetic Resonance Imaging on Event-Free Survival in Patients Presenting With Signs or Symptoms of Coronary Artery Disease. <i>Circulation</i> , 2006, 113, 2733-2743.	1.6	663
15	The exactness of left ventricular segmentation in cine magnetic resonance imaging and its impact on systolic function values. <i>Acta Radiologica</i> , 2007, 48, 285-291.	0.5	25
16	Assessment of Global Left and Right Ventricular Function Using Dual-Source Computed Tomography (DSCT) in Comparison to MRI. <i>Investigative Radiology</i> , 2007, 42, 756-764.	3.5	20
17	Understanding the Heart. <i>Journal of Thoracic Imaging</i> , 2007, 22, 107-113.	0.8	7
18	The association of left ventricular mass with blood pressure, cigarette smoking and alcohol consumption; data from the LARGE heart study. <i>International Journal of Cardiology</i> , 2007, 120, 52-58.	0.8	23

#	ARTICLE	IF	CITATIONS
19	Cardiac MRI: accuracy of simultaneous measurement of left and right ventricular parameters using three different sequences. <i>Clinical Physiology and Functional Imaging</i> , 2007, 27, 385-393.	0.5	24
20	Left Ventricular Mass in Elite Olympic Weight Lifters. <i>American Journal of Cardiology</i> , 2007, 100, 1177-1180.	0.7	22
21	The expanding role of left ventricular functional assessment using gated myocardial perfusion SPECT: the supporting actor is stealing the scene. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2007, 34, 1107-1122.	3.3	26
22	MRI comparison of quantitative left ventricular structure, function and measurement reproducibility in patient cohorts with a range of clinically distinct cardiac conditions. <i>International Journal of Cardiovascular Imaging</i> , 2008, 24, 627-632.	0.7	8
23	Evaluating the systemic right ventricle by CMR: the importance of consistent and reproducible delineation of the cavity. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2008, 10, 40.	1.6	156
24	Comparison of the reproducibility of quantitative cardiac left ventricular assessments in healthy volunteers using different MRI scanners: A multicenter simulation. <i>Journal of Magnetic Resonance Imaging</i> , 2008, 28, 359-365.	1.9	38
25	Simulation study of susceptibility gradients leading to focal myocardial signal loss. <i>Journal of Magnetic Resonance Imaging</i> , 2008, 28, 1402-1408.	1.9	10
26	Cardiac metabolism measured noninvasively by hyperpolarized ¹³ C MRI. <i>Magnetic Resonance in Medicine</i> , 2008, 59, 1005-1013.	1.9	205
27	Stereological estimation of left-ventricular volumetric and functional parameters from multidetector-row computed tomography data. <i>European Radiology</i> , 2008, 18, 1338-1349.	2.3	8
28	Cardiac Magnetic Resonance Imaging: Techniques and Principles. <i>Seminars in Roentgenology</i> , 2008, 43, 173-182.	0.2	12
29	Cardiac Magnetic Resonance Imaging for the Evaluation of Ventricular Function. <i>Seminars in Roentgenology</i> , 2008, 43, 183-192.	0.2	19
30	Borderline hypoplasia of the left ventricle in neonates: Insights for decision-making from functional assessment with magnetic resonance imaging. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2008, 136, 1429-1436.	0.4	103
31	Inter- and intra-rater reproducibility of semiautomatic determination of volume parameters in cardiac magnetic resonance imaging. <i>European Journal of Radiology</i> , 2008, 68, 476-486.	1.2	3
32	Incidence and Prognostic Implication of Unrecognized Myocardial Scar Characterized by Cardiac Magnetic Resonance in Diabetic Patients Without Clinical Evidence of Myocardial Infarction. <i>Circulation</i> , 2008, 118, 1011-1020.	1.6	277
33	Novel methods to assess heart valve disease. <i>Future Cardiology</i> , 2008, 4, 583-592.	0.5	0
34	Reduced Leg Blood Flow during Submaximal Exercise in Type 2 Diabetes. <i>Medicine and Science in Sports and Exercise</i> , 2008, 40, 612-617.	0.2	77
35	Diastolic dysfunction: A link between hypertension and heart failure. <i>Drugs of Today</i> , 2008, 44, 503.	0.7	50
36	Complementary Prognostic Values of Stress Myocardial Perfusion and Late Gadolinium Enhancement Imaging by Cardiac Magnetic Resonance in Patients With Known or Suspected Coronary Artery Disease. <i>Circulation</i> , 2009, 120, 1390-1400.	1.6	139

#	ARTICLE	IF	CITATIONS
37	Effect of Caloric Restriction on Myocardial Fatty Acid Uptake, Left Ventricular Mass, and Cardiac Work in Obese Adults. <i>American Journal of Cardiology</i> , 2009, 103, 1721-1726.	0.7	70
38	Cardiac performance during exercise in hypertensive patients without ventricular hypertrophy. <i>European Journal of Clinical Investigation</i> , 2009, 39, 664-670.	1.7	4
39	Fast Data Acquisition and Analysis with Real Time Triplane Echocardiography for the Assessment of Left Ventricular Size and Function: A Validation Study. <i>Echocardiography</i> , 2009, 26, 66-75.	0.3	21
40	Towards a better risk stratification for sudden cardiac death in patients with structural heart disease. <i>Netherlands Heart Journal</i> , 2009, 17, 101-106.	0.3	5
41	Role of the angiotensin II type 2 receptor gene (+1675G/A) polymorphism on left ventricular hypertrophy and geometry in treated hypertensive patients. <i>Journal of Hypertension</i> , 2010, 28, 1221-1229.	0.3	7
42	Short-Term Effects of Transjugular Intrahepatic Shunt on Cardiac Function Assessed by Cardiac MRI: Preliminary Results. <i>CardioVascular and Interventional Radiology</i> , 2010, 33, 290-296.	0.9	33
43	Improvement of myocardial perfusion reserve detected by cardiovascular magnetic resonance after direct endomyocardial implantation of autologous bone marrow cells in patients with severe coronary artery disease. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2010, 12, 6.	1.6	14
44	ANP, BNP and Dâ€dimer predict right ventricular dysfunction in patients with acute pulmonary embolism. <i>Clinical Physiology and Functional Imaging</i> , 2010, 30, 466-472.	0.5	20
45	Left ventricular hypertrophy: reduction of blood pressure already in the normal range further regresses left ventricular mass. <i>Heart</i> , 2010, 96, 148-152.	1.2	30
46	Right ventricular remodelling in pulmonary arterial hypertension with three-dimensional echocardiography: comparison with cardiac magnetic resonance imaging. <i>European Journal of Echocardiography</i> , 2010, 11, 64-73.	2.3	107
47	Development and evaluation of a semiautomatic segmentation method for the estimation of LV parameters on cine MR images. <i>Physics in Medicine and Biology</i> , 2010, 55, 1127-1140.	1.6	14
48	Percutaneous transendocardial VEGF gene therapy: MRI guided delivery and characterization of 3D myocardial strain. <i>International Journal of Cardiology</i> , 2010, 143, 255-263.	0.8	11
49	Attenuation of Left Ventricular Adverse Remodeling With Epicardial Patching After Myocardial Infarction. <i>Journal of Cardiac Failure</i> , 2010, 16, 590-598.	0.7	28
50	Assessment of left ventricular function with single breath-hold highly accelerated cine MRI combined with guide-point modeling. <i>European Journal of Radiology</i> , 2010, 74, 492-499.	1.2	5
51	Relationship of ventricular and atrial dilatation to valvular function in endurance athletes. <i>British Journal of Sports Medicine</i> , 2011, 45, 178-184.	3.1	12
52	Several sources of error in estimation of left ventricular mass with M-mode echocardiography in elderly subjects. <i>Upsala Journal of Medical Sciences</i> , 2011, 116, 258-264.	0.4	5
53	Assessment of Left Ventricular Function and Mass by MR Imaging:. <i>Academic Radiology</i> , 2011, 18, 738-744.	1.3	4
54	Imaging Targets in Diabetic Cardiomyopathy: Current Status and Perspective. <i>Canadian Journal of Diabetes</i> , 2011, 35, 353-362.	0.4	4

#	ARTICLE	IF	CITATIONS
55	Differences in Fabry Cardiomyopathy Between Female and Male Patients. <i>JACC: Cardiovascular Imaging</i> , 2011, 4, 592-601.	2.3	157
56	Stress Myocardial Perfusion Imaging by CMR Provides Strong Prognostic Value to Cardiac Events Regardless of Patient's Sex. <i>JACC: Cardiovascular Imaging</i> , 2011, 4, 850-861.	2.3	113
57	Feasibility of Single-Beat Full-Volume Capture Real-Time Three-Dimensional Echocardiography and Auto-Contouring Algorithm for Quantification of Left Ventricular Volume: Validation with Cardiac Magnetic Resonance Imaging. <i>Journal of the American Society of Echocardiography</i> , 2011, 24, 853-859.	1.2	65
58	Cardiac magnetic resonance: Impact on diagnosis and management of patients with congenital cardiovascular disease. <i>Clinical Radiology</i> , 2011, 66, 720-725.	0.5	18
59	Cardiac Magnetic Resonance Imaging - A Predictor Tool for Sudden Cardiac Death. <i>University Heart Journal</i> , 2011, 6, 90-92.	0.0	0
60	Assessment of Right Ventricular Structure and Function in Pulmonary Hypertension. <i>Journal of Cardiovascular Imaging</i> , 2011, 19, 115.	0.8	37
61	Comparative values of gated blood-pool SPECT and CMR for ejection fraction and volume estimation. <i>Nuclear Medicine Communications</i> , 2011, 32, 121-128.	0.5	29
62	Simultaneous Measurement of Left and Right Ventricular Volumes and Ejection Fraction During Dobutamine Stress Cardiovascular Magnetic Resonance. <i>Journal of Computer Assisted Tomography</i> , 2011, 35, 614-617.	0.5	1
63	Limited value of novel pulmonary embolism biomarkers in patients with coronary atherosclerosis. <i>Clinical Physiology and Functional Imaging</i> , 2011, 31, 452-457.	0.5	2
64	Children and Adolescents with Repaired Tetralogy of Fallot Report Quality of Life Similar to Healthy Peers. <i>Congenital Heart Disease</i> , 2011, 6, 18-27.	0.0	41
65	Cardiac Magnetic Resonance Imaging and the Assessment of Ebstein Anomaly in Adults. <i>American Journal of Cardiology</i> , 2011, 107, 767-773.	0.7	60
66	Novel techniques for assessment of left ventricular systolic function. <i>Heart Failure Reviews</i> , 2011, 16, 327-337.	1.7	8
67	Strong cardiovascular prognostic implication of quantitative left atrial contractile function assessed by cardiac magnetic resonance imaging in patients with chronic hypertension. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2011, 13, 42.	1.6	70
68	MR in hypertension. <i>Journal of Magnetic Resonance Imaging</i> , 2011, 34, 989-1006.	1.9	3
69	Tetralogy of Fallot: Impact of the Excursion of the Interventricular Septum on Left Ventricular Systolic Function and Fibrosis after Surgical Repair. <i>Radiology</i> , 2011, 259, 375-383.	3.6	41
70	Right heart dilatation in adult congenital heart disease: imaging appearance on cardiac magnetic resonance. <i>British Journal of Radiology</i> , 2011, 84, 188-193.	1.0	5
71	The Role of Imaging in the Management of Cardiorenal Syndrome. <i>International Journal of Nephrology</i> , 2011, 2011, 1-7.	0.7	8
72	Evaluation of Patients with Chronic Thromboembolic Pulmonary Hypertension for Pulmonary Endarterectomy. <i>Pulmonary Circulation</i> , 2012, 2, 155-162.	0.8	46

#	ARTICLE	IF	CITATIONS
73	Routine Chest X-ray: Still Valuable for the Assessment of Left Ventricular Size and Function in the Era of Super Machines?. <i>Journal of Clinical Imaging Science</i> , 2012, 2, 25.	0.4	10
74	Heart chambers and whole heart segmentation techniques: review. <i>Journal of Electronic Imaging</i> , 2012, 21, 010901.	0.5	56
75	Endocardial and epicardial myocardial perfusion determined by semi-quantitative and quantitative myocardial perfusion magnetic resonance. <i>International Journal of Cardiovascular Imaging</i> , 2012, 28, 1499-1511.	0.7	20
76	Effects of hypertrophy and fibrosis on regional and global functional heterogeneity in hypertrophic cardiomyopathy. <i>International Journal of Cardiovascular Imaging</i> , 2012, 28, 133-140.	0.7	23
77	Assessment of left and right ventricular parameters in healthy Korean volunteers using cardiac magnetic resonance imaging: change in ventricular volume and function based on age, gender and body surface area. <i>International Journal of Cardiovascular Imaging</i> , 2012, 28, 141-147.	0.7	25
78	Performance of 3-Dimensional Echocardiography in Measuring Left Ventricular Volumes and Ejection Fraction. <i>Journal of the American College of Cardiology</i> , 2012, 59, 1799-1808.	1.2	346
79	Quantitative first pass perfusion in cardiovascular magnetic resonance for determination of peak ventricular transit time—A technique for evaluation of heart function. <i>European Journal of Radiology</i> , 2012, 81, e996-e1001.	1.2	6
80	Impact of Ventricular Contrast Medium Attenuation on the Accuracy of Left and Right Ventricular Function Analysis at Cardiac Multi-Detector-row CT Compared with Cardiac MRI. <i>Academic Radiology</i> , 2012, 19, 395-405.	1.3	10
81	Calculation of right ventricular stroke volume in short-axis MR images using the equation of the tricuspid plane. <i>Clinical Physiology and Functional Imaging</i> , 2012, 32, 5-11.	0.5	4
82	Right ventricular cardiovascular magnetic resonance imaging: normal anatomy and spectrum of pathological findings. <i>Insights Into Imaging</i> , 2013, 4, 213-223.	1.6	47
83	Cross-sectional baseline analysis of electrocardiography in a large cohort of patients with untreated Fabry disease. <i>Journal of Inherited Metabolic Disease</i> , 2013, 36, 873-879.	1.7	27
84	Surface-length index: a novel index for rapid detection of right ventricles with abnormal ejection fraction using cardiac MRI. <i>European Radiology</i> , 2013, 23, 2383-2391.	2.3	3
85	Contemporary breast cancer chemotherapy leads to persistent late right ventricular myocardial dysfunction: a prospective multi-centre study. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2013, 15, P164.	1.6	1
86	Left and right ventricular effects of anthracycline and trastuzumab chemotherapy: A prospective study using novel cardiac imaging and biochemical markers. <i>International Journal of Cardiology</i> , 2013, 168, 5465-5467.	0.8	100
87	Peri-Infarct Zone Characterized by Cardiac Magnetic Resonance Imaging is Directly Associated with the Inflammatory Activity During Acute Phase Myocardial Infarction. <i>Inflammation</i> , 2013, 37, 678-85.	1.7	12
88	Simple prediction of right ventricular ejection fraction using tricuspid annular plane systolic excursion in pulmonary hypertension. <i>International Journal of Cardiovascular Imaging</i> , 2013, 29, 1799-1805.	0.7	31
89	Comparison of Systolic and Diastolic Criteria for Isolated LV Noncompaction in CMR. <i>JACC: Cardiovascular Imaging</i> , 2013, 6, 931-940.	2.3	102
90	Reproducibility of first-pass cardiovascular magnetic resonance myocardial perfusion. <i>Journal of Magnetic Resonance Imaging</i> , 2013, 37, 865-874.	1.9	46

#	ARTICLE	IF	CITATIONS
91	Effect of Cardiac Stem Cells on Left-Ventricular Remodeling in a Canine Model of Chronic Myocardial Infarction. <i>Circulation: Heart Failure</i> , 2013, 6, 99-106.	1.6	41
92	Right heart characteristics and exercise parameters in adults with Ebstein anomaly: New perspectives from cardiac magnetic resonance imaging studies. <i>International Journal of Cardiology</i> , 2013, 165, 146-150.	0.8	44
93	The effects of pregnancy on right ventricular remodeling in women with repaired tetralogy of Fallot. <i>International Journal of Cardiology</i> , 2013, 168, 1847-1852.	0.8	68
94	Assessment of left ventricular volumes by use of one-, two-, and three-dimensional echocardiography versus magnetic resonance imaging in healthy dogs. <i>American Journal of Veterinary Research</i> , 2013, 74, 1223-1230.	0.3	25
95	Heart-Model-Based Automated Method for Left Ventricular Measurements in Cardiac MR: Comparison with Manual and Semi-automated Methods. <i>Journal of the Korean Society of Magnetic Resonance in Medicine</i> , 2013, 17, 200.	0.1	0
96	Ischemic Heart Disease: A Comprehensive Evaluation Using Cardiovascular Magnetic Resonance. <i>Medicina (Lithuania)</i> , 2013, 49, 17.	0.8	2
97	2014 Korean Guidelines for Appropriate Utilization of Cardiovascular Magnetic Resonance Imaging: A Joint Report of the Korean Society of Cardiology and the Korean Society of Radiology. <i>Korean Journal of Radiology</i> , 2014, 15, 659.	1.5	26
98	2014 Korean Guidelines for Appropriate Utilization of Cardiovascular Magnetic Resonance Imaging: A Joint Report of the Korean Society of Cardiology and the Korean Society of Radiology. <i>Korean Circulation Journal</i> , 2014, 44, 359.	0.7	12
99	Regional left ventricular function after transapical vs. transfemoral transcatheter aortic valve implantation analysed by cardiac magnetic resonance feature tracking. <i>European Heart Journal Cardiovascular Imaging</i> , 2014, 15, 1168-1176.	0.5	44
100	Quantification of right ventricular volume in dogs: a comparative study between three-dimensional echocardiography and computed tomography with the reference method magnetic resonance imaging. <i>BMC Veterinary Research</i> , 2014, 10, 242.	0.7	28
101	Intraoperative Evaluation of Left Ventricular Volume and Function. <i>Anesthesia and Analgesia</i> , 2014, 118, 698-700.	1.1	4
102	Shape-Constrained Deformable Models and Applications in Medical Imaging. <i>Lecture Notes in Computational Vision and Biomechanics</i> , 2014, , 151-184.	0.5	6
103	Quantitative imaging biomarkers for the evaluation of cardiovascular complications in type 2 diabetes mellitus. <i>Journal of Diabetes and Its Complications</i> , 2014, 28, 234-242.	1.2	7
104	Concordance of Measures of Left-Ventricular Hypertrophy in Pediatric Hypertension. <i>Pediatric Cardiology</i> , 2014, 35, 622-626.	0.6	15
105	Myocardial perfusion quantification using the T_1 -based FAIR-ASL method: The influence of heart anatomy, cardiopulmonary blood flow and look-locker readout. <i>Magnetic Resonance in Medicine</i> , 2014, 71, 1784-1797.	1.9	14
106	Segmentation of cardiac magnetic resonance cine images of single ventricle: including or excluding the accessory ventricle?. <i>International Journal of Cardiovascular Imaging</i> , 2014, 30, 1117-1124.	0.7	5
107	Analysis of Left Ventricular Volumes and Function: A Multicenter Comparison of Cardiac Magnetic Resonance Imaging, Cine Ventriculography, and Unenhanced and Contrast-Enhanced Two-Dimensional and Three-Dimensional Echocardiography. <i>Journal of the American Society of Echocardiography</i> , 2014, 27, 292-301.	1.2	153
108	Cardiac functional assessment without electrocardiogram using physiological self-navigated. <i>Magnetic Resonance in Medicine</i> , 2014, 71, 942-954.	1.9	14

#	ARTICLE	IF	CITATIONS
109	Early and late changes in markers of aortic stiffness with breast cancer therapy. <i>Internal Medicine Journal</i> , 2015, 45, 140-147.	0.5	46
110	Chronic Thromboembolic Pulmonary Hypertension. <i>Respiratory Medicine</i> , 2015, , 115-142.	0.1	0
111	Effect of ischemic postconditioning on myocardial salvage in patients undergoing primary percutaneous coronary intervention for ST-segment elevation myocardial infarction: cardiac magnetic resonance substudy of the POST randomized trial. <i>International Journal of Cardiovascular Imaging</i> , 2015, 31, 629-637.	0.7	22
112	Lessons on Quality Control in Large Scale Imaging Trials: the Multi-Ethnic Study of Atherosclerosis (MESA). <i>Current Cardiovascular Imaging Reports</i> , 2015, 8, 1.	0.4	5
113	Glycosylated hemoglobin is associated with decreased endothelial function, high inflammatory response, and adverse clinical outcome in non-diabetic STEMI patients. <i>Atherosclerosis</i> , 2015, 243, 124-130.	0.4	17
114	Presence of albuminuria predicts left ventricular mass in patients with chronic systemic arterial hypertension. <i>European Journal of Clinical Investigation</i> , 2015, 45, 550-556.	1.7	6
115	Cardiac magnetic resonance imaging to assess the impact of maternal habitus on cardiac remodeling during pregnancy. <i>American Journal of Obstetrics and Gynecology</i> , 2016, 214, 640.e1-640.e6.	0.7	22
116	Characterisation of myocardial structure and function in adult-onset growth hormone deficiency using cardiac magnetic resonance. <i>Endocrine</i> , 2016, 54, 778-787.	1.1	15
117	Diagnostic Evaluation of Chronic Thromboembolic Pulmonary Hypertension. <i>Annals of the American Thoracic Society</i> , 2016, 13, S222-S239.	1.5	32
118	A protective role of early collateral blood flow in patients with ST-segment elevation myocardial infarction. <i>American Heart Journal</i> , 2016, 171, 56-63.	1.2	37
119	Non-gated CT pulmonary angiography and the prediction of right ventricular dysfunction in patients suspected of pulmonary embolism. <i>Clinical Physiology and Functional Imaging</i> , 2017, 37, 575-581.	0.5	15
120	Left Ventricular Hypertrophy Is Associated With Increased Infarct Size and Decreased Myocardial Salvage in Patients With ST-Segment Elevation Myocardial Infarction Undergoing Primary Percutaneous Coronary Intervention. <i>Journal of the American Heart Association</i> , 2017, 6, .	1.6	39
121	Cardiovascular magnetic resonance-GUIDE management of mild to moderate left ventricular systolic dysfunction (CMR GUIDE): Study protocol for a randomized controlled trial. <i>Annals of Noninvasive Electrocardiology</i> , 2017, 22, .	0.5	63
122	Fully-automatic left ventricular segmentation from long-axis cardiac cine MR scans. <i>Medical Image Analysis</i> , 2017, 39, 44-55.	7.0	23
123	Predictors of left ventricular remodeling after ST-elevation myocardial infarction. <i>International Journal of Cardiovascular Imaging</i> , 2017, 33, 1415-1423.	0.7	20
124	Diagnostic Strategies for Early Recognition of Cancer Therapeutics-Related Cardiac Dysfunction. <i>Clinical Medicine Insights: Cardiology</i> , 2017, 11, 117954681769798.	0.6	23
125	Right ventricular ejection fraction measurements using two-dimensional transthoracic echocardiography by applying an ellipsoid model. <i>Cardiovascular Ultrasound</i> , 2017, 15, 4.	0.5	8
126	Systematic Left Ventricular Assist Device Implant Eligibility with Non-Invasive Assessment: The SIENA Protocol. <i>Journal of Cardiovascular Imaging</i> , 2017, 25, 39.	0.8	17

#	ARTICLE	IF	CITATIONS
127	Korean Guidelines for Diagnosis and Management of Chronic Heart Failure. Korean Circulation Journal, 2017, 47, 555.	0.7	56
128	Effects of Renal Denervation on Cardiac Structural and Functional Abnormalities in Patients with Resistant Hypertension or Diastolic Dysfunction. Scientific Reports, 2018, 8, 1172.	1.6	1
129	The impact of ambrisentan and tadalafil upfront combination therapy on cardiac function in scleroderma associated pulmonary arterial hypertension patients: cardiac magnetic resonance feature tracking study. Pulmonary Circulation, 2018, 8, 1-11.	0.8	30
130	Cardiovascular magnetic resonance evidence of myocardial fibrosis and its clinical significance in adolescent and adult patients with Ebstein's anomaly. Journal of Cardiovascular Magnetic Resonance, 2018, 20, 69.	1.6	23
131	Benefit From Reperfusion With Primary Percutaneous Coronary Intervention Beyond 12 Hours of Symptom Duration in Patients With ST-Segment Elevation Myocardial Infarction. Circulation: Cardiovascular Interventions, 2018, 11, e006842.	1.4	29
132	Importance of elevated heart rate in the very early phase of ST-segment elevation myocardial infarction: Results from the DANAMI-3 trial. European Heart Journal: Acute Cardiovascular Care, 2019, 8, 318-328.	0.4	12
133	3D High-Resolution Cardiac Segmentation Reconstruction From 2D Views Using Conditional Variational Autoencoders. , 2019, , .		11
134	Normal Left and Right Ventricular Volume and Function. Contemporary Cardiology, 2019, , 77-86.	0.0	0
135	Is Left Ventricular Hypertrophy a Valid Therapeutic Target?. Current Hypertension Reports, 2019, 21, 47.	1.5	15
136	Agreement of 2D transthoracic echocardiography with cardiovascular magnetic resonance imaging after ST-elevation myocardial infarction. European Journal of Radiology, 2019, 114, 6-13.	1.2	4
137	Cardiotoxicity of Cancer Therapies. Cardiology in Review, 2019, 27, 230-235.	0.6	7
138	Segmentation of left ventricle in late gadolinium enhanced MRI through 2D to 4D registration for infarct localization in 3D patient-specific left ventricular model. Magnetic Resonance in Medicine, 2019, 81, 1385-1398.	1.9	9
139	Adverse interaction between HDL and the mass of myocardial infarction. Atherosclerosis, 2019, 281, 9-16.	0.4	8
140	Recent Advances in Imaging of Hypertensive Heart Disease. Current Hypertension Reports, 2019, 21, 3.	1.5	22
141	Left ventricular hypertrophy and hypertension. Progress in Cardiovascular Diseases, 2020, 63, 10-21.	1.6	184
142	Recommendations for standardized plane definition in canine cardiac MRI. Veterinary Radiology and Ultrasound, 2020, 61, 696-704.	0.4	3
143	Cardiac VFM visualization and analysis based on YOLO deep learning model and modified 2D continuity equation. Computerized Medical Imaging and Graphics, 2020, 82, 101732.	3.5	26
144	Active Tobacco Smoking Impairs Cardiac Systolic Function. Scientific Reports, 2020, 10, 6608.	1.6	12

#	ARTICLE	IF	CITATIONS
145	Measuring the link between cardiac mechanical function and metabolism during hyperpolarized 13C-pyruvate magnetic resonance experiments. <i>Magnetic Resonance Imaging</i> , 2020, 68, 9-17.	1.0	1
146	Multimodality cardiac imaging in the 21st century: evolution, advances and future opportunities for innovation. <i>British Journal of Radiology</i> , 2021, 94, 20200780.	1.0	14
147	Deep Learning Methods in Internet of Medical Things for Valvular Heart Disease Screening System. <i>IEEE Internet of Things Journal</i> , 2021, 8, 16921-16932.	5.5	53
148	Left Ventricular Remodeling Following Balloon Mitral Valvuloplasty in Rheumatic Mitral Stenosis: Magnetic Resonance Imaging Study. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 674435.	1.1	4
150	Biventricular Repair in Patients with a Borderline Left Heart. , 2014, , 1765-1785.		2
151	Normal Left and Right Ventricular Volume and Function. , 2008, , 113-121.		1
152	Chronic Thromboembolic Pulmonary Hypertension: Surgical Treatment. , 2015, , 4233-4257.		1
153	Assessment of left ventricular function in non-dilated and dilated hearts: Comparison of contrast-enhanced 2-dimensional echocardiography with multi-detector row CT angiography. <i>Acta Cardiologica</i> , 2009, 64, 787-794.	0.3	13
154	Cardiovascular Magnetic Resonance Imaging in Experimental Models. <i>Open Cardiovascular Medicine Journal</i> , 2010, 4, 278-292.	0.6	33
155	Right Ventricle Functional Parameters Estimation in Arrhythmogenic Right Ventricular Dysplasia Using a Robust Shape Based Deformable Model. <i>Journal of Medical Signals and Sensors</i> , 2014, 4, 211.	0.5	3
156	Quantification of ventricular unloading by 3D echocardiography in single ventricle of left ventricular morphology following superior cavo-pulmonary anastomosis and Fontan completion – a feasibility study. <i>Annals of Pediatric Cardiology</i> , 2017, 10, 224.	0.2	1
157	Impact of diagnostic ECG-to-wire delay in STEMI patients treated with primary PCI: a DANAMI-3 substudy. <i>EuroIntervention</i> , 2018, 14, 700-707.	1.4	10
158	Comparison of Left Ventricular Volumes Measured by 3DE, SPECT and CMR. <i>Journal of Cardiovascular Imaging</i> , 2019, 27, 200.	0.2	9
159	Morphological and Functional Measurements of the Heart Obtained by Magnetic Resonance Imaging in Brazilians. <i>Arquivos Brasileiros De Cardiologia</i> , 2013, 101, 68-77.	0.3	10
160	General Cardiovascular Magnetic Resonance Imaging. , 2008, , 19-35.		0
161	Size and Function of the Right Ventricle. , 2010, , 67-80.		0
162	Evaluation of Patients with Chronic Thromboembolic Pulmonary Hypertension for Pulmonary Endarterectomy. , 2011, , 1569-1576.		0
163	IRM des valvulopathies r�gurgitantes. , 2011, , 153-166.		0

#	ARTICLE	IF	CITATIONS
165	Diagnosis and Preoperative Evaluation of Chronic Thromboembolic Pulmonary Hypertension. <i>Advances in Pulmonary Hypertension</i> , 2014, 12, 179-185.	0.1	0
166	Aging and Right Ventricular Failure from Pulmonary Hypertension: Effect of Right Ventricular and Pulmonary Artery Remodeling. , 2014, , 291-304.		0
167	Chronic Thromboembolic Pulmonary Hypertension. , 2014, , 1-29.		0
168	2014 Korean Guidelines for Appropriate Utilization of Cardiovascular Magnetic Resonance Imaging: A Joint Report of the Korean Society of Cardiology and the Korean Society of Radiology. <i>Journal of the Korean Society of Radiology</i> , 2015, 72, 217.	0.1	0
170	Development and clinical validation of a hybrid method for semiautomated left ventricle endocardial and epicardial boundary extraction on cine-magnetic resonance images. <i>Journal of Medical Imaging</i> , 2018, 5, 1.	0.8	3
172	Prognostic significance of right ventricular ejection fraction assessed by two-dimensional echocardiography in hospitalized patients with dilated cardiomyopathyappendix. <i>Journal of the Indian Academy of Echocardiography & Cardiovascular Imaging</i> , 2019, 3, 141.	0.0	0
173	Subclinical biventricular systolic dysfunction in patients with systemic sclerosis. <i>European Journal of Rheumatology</i> , 2019, 6, 86-91.	1.3	2
174	Right ventricle functional parameters estimation in arrhythmogenic right ventricular dysplasia using a robust shape based deformable model. <i>Journal of Medical Signals and Sensors</i> , 2014, 4, 211-22.	0.5	1
175	Perfusion and aortic surgery: patient directed cardiopulmonary bypass and quality improvement. <i>Journal of Extra-Corporeal Technology</i> , 2011, 43, P68-71.	0.2	1
176	Optical Flow Analysis of Left Ventricle Wall Motion with Real-Time Cardiac Magnetic Resonance Imaging in Healthy Subjects and Heart Failure Patients. <i>Annals of Biomedical Engineering</i> , 2022, 50, 195-210.	1.3	0
177	Temporospatial characterization of ventricular wall motion with real-time cardiac magnetic resonance imaging in health and disease. <i>Scientific Reports</i> , 2022, 12, 4070.	1.6	3
178	Update on the roles of imaging in the management of chronic thromboembolic pulmonary hypertension. <i>Journal of Cardiology</i> , 2023, 81, 297-306.	0.8	2
179	MRI Assessment of Cardiac Function and Morphology in Adult Patients With Growth Hormone Deficiency: A Systematic Review and Meta-Analysis. <i>Frontiers in Endocrinology</i> , 0, 13, .	1.5	1
180	Quantification of left ventricular strain and torsion by joint analysis of 3D tagging and cine MR images. <i>Medical Image Analysis</i> , 2022, 82, 102598.	7.0	4
181	Comparative studies of deep learning segmentation models for left ventricle segmentation. <i>Frontiers in Public Health</i> , 0, 10, .	1.3	5
182	Echocardiographic evaluation of left ventricular function using an automated analysis algorithm is feasible for beginners and experts: comparison with invasive and non-invasive methods. <i>Journal of Echocardiography</i> , 2023, 21, 65-73.	0.4	4
183	Multi-modal Latent-Space Self-alignment for Super-Resolution Cardiac MR Segmentation. <i>Lecture Notes in Computer Science</i> , 2022, , 26-35.	1.0	0
184	The predictive role of right ventricular late gadolinium enhancement in patients with tetralogy of Fallot undergoing pulmonary valve replacement. <i>European Radiology Experimental</i> , 2023, 7, .	1.7	0

#	ARTICLE	IF	CITATIONS
185	Evaluating semi-supervision methods for medical image segmentation: applications in cardiac magnetic resonance imaging. Journal of Medical Imaging, 2023, 10, .	0.8	1