Jos J M Westenberg

List of Publications by Year
in descending order

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Version: 2024-02-01

142 papers	4,608 citations	81900 39 h-index	123424 61 g-index
143 all docs	143 docs citations	143 times ranked	4725 citing authors

#	Article	IF	Citations
1	Clinical intra-cardiac 4D flow CMR: acquisition, analysis, and clinical applications. European Heart Journal Cardiovascular Imaging, 2022, 23, 154-165.	1.2	19
2	Estimated pulse wave velocity (ePWV) as a potential gatekeeper for MRI-assessed PWV: a linear and deep neural network based approach in 2254 participants of the Netherlands Epidemiology of Obesity study. International Journal of Cardiovascular Imaging, 2022, 38, 183-193.	1.5	8
3	<scp>Wholeâ€Heart 4D</scp> Flow <scp>MRI</scp> for Evaluation of Normal and Regurgitant Valvular Flow: A Quantitative Comparison Between <scp>Pseudoâ€Spiral</scp> Sampling and <scp>EPI</scp> Readout. Journal of Magnetic Resonance Imaging, 2022, 55, 1120-1130.	3.4	4
4	Extracardiac conduit adequacy along the respiratory cycle in adolescent Fontan patients. European Journal of Cardio-thoracic Surgery, 2022, 62, .	1.4	7
5	Ascending aorta curvature and flow displacement are associated with accelerated aortic growth at long-term follow-up: A MRI study in Marfan and thoracic aortic aneurysm patients. IJC Heart and Vasculature, 2022, 38, 100926.	1.1	4
6	Circulating miRNAs and Vascular Injury Markers Associate with Cardiovascular Function in Older Patients Reaching End-Stage Kidney Disease. Non-coding RNA, 2022, 8, 2.	2.6	1
7	4D flow cardiovascular magnetic resonance derived energetics in the Fontan circulation correlate with exercise capacity and CMR-derived liver fibrosis/congestion. Journal of Cardiovascular Magnetic Resonance, 2022, 24, 21.	3.3	14
8	Wholeâ€Heart 4D Flow MRI for Evaluation of Normal and Regurgitant Valvular Flow: A Quantitative Comparison Between Pseudoâ€Spiral Sampling and EPI Readout. Journal of Magnetic Resonance Imaging, 2022, 55, .	3.4	1
9	Echo planar imagingâ€“induced errors in intracardiac 4D flow MRI quantification. Magnetic Resonance in Medicine, 2022, 87, 2398-2411.	3.0	11
10	4D Flow MRI in Ascending Aortic Aneurysms: Reproducibility of Hemodynamic Parameters. Applied Sciences (Switzerland), 2022, 12, 3912.	2.5	1
11	Reproducibility of Aorta Segmentation on <scp>4D</scp> Flow <scp>MRI</scp> in Healthy Volunteers. Journal of Magnetic Resonance Imaging, 2021, 53, 1268-1279.	3.4	22
12	Associations between left ventricular function, vascular function and measures of cerebral small vessel disease: a cross-sectional magnetic resonance imaging study of the UK Biobank. European Radiology, 2021, 31, 5068-5076.	4.5	4
13	Multicenter Consistency Assessment of Valvular Flow Quantification With AutomatedÂValve Tracking in 4D Flow CMR. JACC: Cardiovascular Imaging, 2021, 14, 1354-1366.	5.3	21
14	Characterization of Ascending Aortic Flow in Patients With Degenerative Aneurysms. Investigative Radiology, 2021, Publish Ahead of Print, 494-500.	6.2	11
15	Reduced scan time and superior image quality with 3D flow MRI compared to 4D flow MRI for hemodynamic evaluation of the Fontan pathway. Scientific Reports, 2021, 11, 6507.	3.3	7
16	Non-uniform mixing of hepatic venous flow and inferior vena cava flow in the Fontan conduit. Journal of the Royal Society Interface, 2021, 18, 20201027.	3.4	6
17	Normal and reference values for cardiovascular magnetic resonance-based pulse wave velocity in the middle-aged general population. Journal of Cardiovascular Magnetic Resonance, 2021, 23, 46.	3.3	15
18	Hemodynamic interplay of vorticity, viscous energy loss, and kinetic energy from 4D Flow MRI and link to cardiac function in healthy subjects and Fontan patients. American Journal of Physiology - Heart and Circulatory Physiology, 2021, 320, H1687-H1698.	3.2	6

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19	Wall Shear Stress Assessment of the False Lumen in Acute Type B Aortic Dissection Visualized by 4-Dimensional Flow Magnetic Resonance Imaging: An Ex-Vivo Study. Vascular and Endovascular Surgery, 2021, 55, 696-701.	0.7	5
20	Geometrically induced wall shear stress variability in CFD-MRI coupled simulations of blood flow in the thoracic aortas. Computers in Biology and Medicine, 2021, 133, 104385.	7.0	28
21	Reproducibility of left ventricular blood flow kinetic energy measured by four-dimensional flow CMR. BMC Research Notes, 2021, 14, 289.	1.4	1
22	Assessment of turbulent blood flow and wall shear stress in aortic coarctation using image-based simulations. BioMedical Engineering OnLine, 2021, 20, 84.	2.7	16
23	The Influence of Respiration on Blood Flow in the Fontan Circulation: Insights for Imaging-Based Clinical Evaluation of the Total Cavopulmonary Connection. Frontiers in Cardiovascular Medicine, 2021, 8, 683849.	2.4	14
24	Segmental assessment of blood flow efficiency in the total cavopulmonary connection using four-dimensional flow magnetic resonance imaging: vortical flow is associated with increased viscous energy loss rate. European Heart Journal Open, 2021, 1, .	2.3	10
25	Hemodynamic Consequences of an Undersized Extracardiac Conduit in an Adult Fontan Patient Revealed by 4-Dimensional Flow Magnetic Resonance Imaging. Circulation: Cardiovascular Imaging, 2021, 14, e012612.	2.6	7
26	Wall shear stress in the thoracic aorta at rest and with dobutamine stress after arterial switch operation. European Journal of Cardio-thoracic Surgery, 2021, 59, 814-822.	1.4	2
27	Blood Flow Quantification in Peripheral Arterial Disease: Emerging Diagnostic Techniques in Vascular Surgery. Surgical Technology International, 2021, 38, 294-304.	0.2	0
28	Altered Ascending Aorta Hemodynamics in Patients After Arterial Switch Operation for Transposition of the Great Arteries. Journal of Magnetic Resonance Imaging, 2020, 51, 1105-1116.	3.4	7
29	Clinical assessment of aortic valve stenosis: Comparison between 4D flow MRI and transthoracic echocardiography. Journal of Magnetic Resonance Imaging, 2020, 51, 472-480.	3.4	30
30	The impact of visceral and general obesity on vascular and left ventricular function and geometry: a cross-sectional magnetic resonance imaging study of the UK Biobank. European Heart Journal Cardiovascular Imaging, 2020, 21, 273-281.	1.2	22
31	Assessment of mitral valve regurgitation by cardiovascular magnetic resonance imaging. Nature Reviews Cardiology, 2020, 17, 298-312.	13.7	103
32	Effect of Liraglutide on Cardiovascular Function and Myocardial Tissue Characteristics in Type 2 Diabetes Patients of South Asian Descent Living in the Netherlands: A Doubleâ€Blind, Randomized, Placeboâ€Controlled Trial. Journal of Magnetic Resonance Imaging, 2020, 51, 1679-1688.	3.4	25
33	Age-associated changes in 4D flow CMR derived Tricuspid Valvular Flow and Right Ventricular Blood Flow Kinetic Energy. Scientific Reports, 2020, 10, 9908.	3.3	13
34	Left Ventricular Blood Flow Kinetic Energy Assessment by 4D Flow Cardiovascular Magnetic Resonance: A Systematic Review of the Clinical Relevance. Journal of Cardiovascular Development and Disease, 2020, 7, 37.	1.6	10
35	Quantification of Mitral Valve Regurgitation from 4D Flow MRI Using Semiautomated Flow Tracking. Radiology: Cardiothoracic Imaging, 2020, 2, e200004.	2.5	13
36	Editorial for â€œEvaluation of Cardiac Shunts With <scp>4D</scp> Flow Cardiac Magnetic Resonance: Intraâ€•and Interobserver Variabilityâ€• Journal of Magnetic Resonance Imaging, 2020, 52, 1064-1065.	3.4	0

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37	How to Measure the Aorta Using MRI: A Practical Guide. Journal of Magnetic Resonance Imaging, 2020, 52, 971-977.	3.4	17
38	Disproportionate intraventricular viscous energy loss in Fontan patients: analysis by 4D flow MRI. European Heart Journal Cardiovascular Imaging, 2019, 20, 323-333.	1.2	29
39	Left ventricular thrombus formation in myocardial infarction is associated with altered left ventricular blood flow energetics. European Heart Journal Cardiovascular Imaging, 2019, 20, 108-117.	1.2	57
40	Intracardiac 4D Flow MRI in Congenital Heart Disease: Recommendations on Behalf of the ISMRM Flow & Motion Study Group. Journal of Magnetic Resonance Imaging, 2019, 50, spcone.	3.4	35
41	The effects of age at correction of aortic coarctation and recurrent obstruction on adolescent patients: MRI evaluation of wall shear stress and pulse wave velocity. European Radiology Experimental, 2019, 3, 24.	3.4	5
42	Intracardiac 4D Flow MRI in Congenital Heart Disease: Recommendations on Behalf of the ISMRM Flow & Motion Study Group. Journal of Magnetic Resonance Imaging, 2019, 50, 677-681.	3.4	32
43	Predictive imaging for thoracic aortic dissection and rupture: moving beyond diameters. European Radiology, 2019, 29, 6396-6404.	4.5	49
44	Stress increases intracardiac 4D flow cardiovascular magnetic resonance -derived energetics and vorticity and relates to VO2max in Fontan patients. Journal of Cardiovascular Magnetic Resonance, 2019, 21, 43.	3.3	18
45	Late effects of pediatric hematopoietic stem cell transplantation on left ventricular function, aortic stiffness and myocardial tissue characteristics. Journal of Cardiovascular Magnetic Resonance, 2019, 21, 6.	3.3	7
46	Altered ascending aortic wall shear stress in patients with corrected atrioventricular septal defect: a comprehensive cardiovascular magnetic resonance and 4D flow MRI evaluation. Cardiology in the Young, 2019, 29, 637-642.	0.8	1
47	In-vivo validation of interpolation-based phase offset correction in cardiovascular magnetic resonance flow quantification: a multi-vendor, multi-center study. Journal of Cardiovascular Magnetic Resonance, 2019, 21, 30.	3.3	13
48	Quantification of aortic pulse wave velocity from a population based cohort: a fully automatic method. Journal of Cardiovascular Magnetic Resonance, 2019, 21, 27.	3.3	11
49	Tomographic PIV in a model of the left ventricle: 3D flow past biological and mechanical heart valves. Journal of Biomechanics, 2019, 90, 40-49.	2.1	28
50	Effect of liraglutide on cardiac function in patients with type 2 diabetes mellitus: randomized placebo-controlled trial. Cardiovascular Diabetology, 2019, 18, 55.	6.8	91
51	Four-dimensional flow magnetic resonance imaging-derived blood flow energetics of the inferior vena cava-to-extracardiac conduit junction in Fontan patients. European Journal of Cardio-thoracic Surgery, 2019, 55, 1202-1210.	1.4	15
52	Automated Cardiac Valve Tracking for Flow Quantification with Four-dimensional Flow MRI. Radiology, 2019, 290, 70-78.	7.3	43
53	Direct assessment of tricuspid regurgitation by 4D flow cardiovascular magnetic resonance in a patient with Ebsteinâ€™s anomaly. European Heart Journal Cardiovascular Imaging, 2018, 19, 587-588.	1.2	5
54	Endocardial center motion for quantification of left ventricular discoordination in heart failure using cine MRI. Physiological Measurement, 2018, 39, 025009.	2.1	0

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55	Caloric restriction lowers endocannabinoid tonus and improves cardiac function in type 2 diabetes. Nutrition and Diabetes, 2018, 8, 6.	3.2	26
56	Scanâ€“rescan reproducibility of diastolic left ventricular kinetic energy, viscous energy loss and vorticity assessment using 4D flow MRI: analysis in healthy subjects. International Journal of Cardiovascular Imaging, 2018, 34, 905-920.	1.5	23
57	Comparison of fast acquisition strategies in wholeâ€heart fourâ€dimensional flow cardiac MR: Twoâ€center, 1.5 Tesla, phantom and in vivo validation study. Journal of Magnetic Resonance Imaging, 2018, 47, 272-281.	3.4	52
58	Sex, body mass index, and blood pressure are related to aortic characteristics in healthy, young adults using magnetic resonance vessel wall imaging: the AMBITYON study. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2018, 31, 173-182.	2.0	8
59	Inâ€scan and scanâ€“rescan assessment of LV inâ€and outflow volumes by 4D flow MRI versus 2D planimetry. Journal of Magnetic Resonance Imaging, 2018, 47, 511-522.	3.4	33
60	Biventricular vortex ring formation corresponds to regions of highest intraventricular viscous energy loss in a Fontan patient: analysis by 4D Flow MRI. International Journal of Cardiovascular Imaging, 2018, 34, 441-442.	1.5	10
61	4â€…Four-dimensional left ventricular blood flow energetics independently predict adverse remodelling post st-elevation myocardial infarction. , 2018, , .		0
62	Impact of Age and Diastolic Function on Novel, 4D flow CMR Biomarkers of Left Ventricular Blood Flow Kinetic Energy. Scientific Reports, 2018, 8, 14436.	3.3	42
63	Left ventricular blood flow kinetic energy after myocardial infarction - insights from 4D flow cardiovascular magnetic resonance. Journal of Cardiovascular Magnetic Resonance, 2018, 20, 61.	3.3	64
64	Energetics of Blood Flow in Cardiovascular Disease. Circulation, 2018, 137, 2393-2407.	1.6	65
65	High-Frame-Rate Contrast-enhanced US Particle Image Velocimetry in the Abdominal Aorta: First Human Results. Radiology, 2018, 289, 119-125.	7.3	18
66	Tricuspid flow and regurgitation in congenital heart disease and pulmonary hypertension: comparison of 4D flow cardiovascular magnetic resonance and echocardiography. Journal of Cardiovascular Magnetic Resonance, 2018, 20, 5.	3.3	32
67	Scanâ€“rescan reproducibility of segmental aortic wall shear stress as assessed by phase-specific segmentation with 4D flow MRI in healthy volunteers. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2018, 31, 653-663.	2.0	30
68	Quantification of common carotid artery and descending aorta vessel wall thickness from MR vessel wall imaging using a fully automated processing pipeline. Journal of Magnetic Resonance Imaging, 2017, 45, 215-228.	3.4	14
69	026â€…Dimensional flow cardiovascular magnetic resonance: two-centre, 1.5t, phantom and in-vivo validation study. Heart, 2017, 103, A21.2-A22.	2.9	0
70	Magnetic Resonance Imaging of Cardiovascular Function and the Brain. Circulation, 2017, 135, 2178-2195.	1.6	90
71	Is Hepatic Triglyceride Content Associated with Aortic Pulse Wave Velocity and Carotid Intima-Media Thickness? The Netherlands Epidemiology of Obesity Study. Radiology, 2017, 285, 73-82.	7.3	3
72	Comparative Evaluation of Flow Quantification across the Atrioventricular Valve in Patients with Functional Univentricular Heart after Fontan's Surgery and Healthy Controls: Measurement by 4D Flow Magnetic Resonance Imaging and Streamline Visualization. Congenital Heart Disease, 2017, 12, 40-48.	0.2	15

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73	Clinical applications of intra-cardiac four-dimensional flow cardiovascular magnetic resonance: A systematic review. International Journal of Cardiology, 2017, 249, 486-493.	1.7	62
74	Assessment of viscous energy loss and the association with threeâ€dimensional vortex ring formation in left ventricular inflow: In vivo evaluation using fourâ€dimensional flow MRI. Magnetic Resonance in Medicine, 2017, 77, 794-805.	3.0	92
75	Unravelling cardiovascular disease using four dimensional flow cardiovascular magnetic resonance. International Journal of Cardiovascular Imaging, 2017, 33, 1069-1081.	1.5	26
76	Reference Values for Cardiac and Aortic Magnetic Resonance Imaging in Healthy, Young Caucasian Adults. PLoS ONE, 2016, 11, e0164480.	2.5	11
77	Four-dimensional flow cardiovascular magnetic resonance for the evaluation of the atrial baffle after Mustard repair. European Heart Journal Cardiovascular Imaging, 2016, 17, 353-353.	1.2	3
78	Biplane versus short-axis measures of the left atrium and ventricle in patients with systolic dysfunction assessed by magnetic resonance. Clinical Imaging, 2016, 40, 907-912.	1.5	7
79	Prognostic value of cardiovascular MR imaging biomarkers on outcome in peripheral arterial disease: a 6-year follow-up pilot study. International Journal of Cardiovascular Imaging, 2016, 32, 1281-1288.	1.5	7
80	Aortic Arch Stiffness Is Associated With Incipient Brain Injury in Patients With Hypertension. American Journal of Hypertension, 2016, 29, 705-712.	2.0	8
81	Proximal aortic stiffening in Turner patients may be present before dilation can be detected: a segmental functional MRI study. Journal of Cardiovascular Magnetic Resonance, 2016, 19, 27.	3.3	24
82	Quantification of LV function and mass by cardiovascular magnetic resonance: multi-center variability and consensus contours. Journal of Cardiovascular Magnetic Resonance, 2015, 17, 63.	3.3	135
83	Highâ€temporal velocityâ€encoded MRI for the assessment of left ventricular inflow propagation velocity: Comparison with color Mâ€mode echocardiography. Journal of Magnetic Resonance Imaging, 2015, 42, 1297-1304.	3.4	2
84	Disturbed Intracardiac Flow Organization After Atrioventricular Septal Defect Correction as Assessed With 4D Flow Magnetic Resonance Imaging and Quantitative Particle Tracing. Investigative Radiology, 2015, 50, 850-857.	6.2	13
85	Characterization and quantification of dynamic eccentric regurgitation of the left atrioventricular valve after atrioventricular septal defect correction with 4D Flow cardiovascular magnetic resonance and retrospective valve tracking. Journal of Cardiovascular Magnetic Resonance, 2015, 17, 18.	3.3	41
86	Site-specific association between distal aortic pulse wave velocity and peripheral arterial stenosis severity: a prospective cardiovascular magnetic resonance study. Journal of Cardiovascular Magnetic Resonance, 2015, 17, 2.	3.3	6
87	Altered left ventricular vortex ring formation by 4-dimensional flow magnetic resonance imaging after repair of atrioventricular septal defects. Journal of Thoracic and Cardiovascular Surgery, 2015, 150, 1233-1240.e1.	0.8	24
88	Characterization and improved quantification of left ventricular inflow using streamline visualization with 4DFlow MRI in healthy controls and patients after atrioventricular septal defect correction. Journal of Magnetic Resonance Imaging, 2015, 41, 1512-1520.	3.4	33
89	Pulse wave velocity and flow in the carotid artery versus the aortic arch: Effects of aging. Journal of Magnetic Resonance Imaging, 2014, 40, 287-293.	3.4	28
90	Shortâ€term effects of a standardized glucose load on regionâ€specific aortic pulse wave velocity assessed by MRI. Journal of Magnetic Resonance Imaging, 2014, 39, 717-721.	3.4	1

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91	Longitudinal and Circumferential Strain of the Proximal Aorta. Journal of the American Heart Association, 2014, 3, e001536.	3.7	62
92	Cardiovascular Function and Flow by 4-Dimensional Magnetic Resonance Imaging Techniques. Journal of Thoracic Imaging, 2014, 29, 185-196.	1.5	28
93	Helical flow pattern in the right pulmonary artery after Fontan palliation. European Heart Journal Cardiovascular Imaging, 2014, 15, 1183-1183.	1.2	4
94	Vortex flow during early and late left ventricular filling in normal subjects: quantitative characterization using retrospectively-gated 4D flow cardiovascular magnetic resonance and three-dimensional vortex core analysis. Journal of Cardiovascular Magnetic Resonance, 2014, 16, 78.	3.3	118
95	Pulse Pressure Relation to Aortic and Left Ventricular Structure in the Age, Gene/Environment Susceptibility (AGES)-Reykjavik Study. Hypertension, 2014, 64, 756-761.	2.7	40
96	Coupling of vessel wall morphology and function in the aorta and the carotid artery: an evaluation with MRI. International Journal of Cardiovascular Imaging, 2014, 30, 91-98.	1.5	5
97	Robust segmentation methods with an application to aortic pulse wave velocity calculation. Computerized Medical Imaging and Graphics, 2014, 38, 179-189.	5.8	9
98	Aortic stiffness is related to left ventricular diastolic function in patients with diabetes mellitus type 1: assessment with MRI and speckle tracking strain analysis. International Journal of Cardiovascular Imaging, 2013, 29, 633-641.	1.5	18
99	Objective method for assessment of reliability of particle tracing visualization in 4D FLOW MRI. Journal of Cardiovascular Magnetic Resonance, 2013, 15, E29.	3.3	0
100	Accuracy of Three-Dimensional Versus Two-Dimensional Echocardiography for Quantification of Aortic Regurgitation and Validation by Three-Dimensional Three-Directional Velocity-Encoded Magnetic Resonance Imaging. American Journal of Cardiology, 2013, 112, 560-566.	1.6	56
101	MRI-assessed regional pulse wave velocity for predicting absence of regional aorta luminal growth in marfan syndrome. International Journal of Cardiology, 2013, 167, 2977-2982.	1.7	41
102	Cardiac MRI in postoperative congenital heart disease patients. Journal of Magnetic Resonance Imaging, 2012, 36, 511-528.	3.4	19
103	Bramwell-Hill modeling for local aortic pulse wave velocity estimation: a validation study with velocity-encoded cardiovascular magnetic resonance and invasive pressure assessment. Journal of Cardiovascular Magnetic Resonance, 2012, 14, 15.	3.3	55
104	Tissue-Velocity Magnetic Resonance Imaging and Tissue Doppler Imaging to Assess Regional Myocardial Diastolic Velocities at the Right Ventricle in Corrected Pediatric Tetralogy of Fallot Patients. Investigative Radiology, 2012, 47, 189-196.	6.2	6
105	Evaluation of sampling density on the accuracy of aortic pulse wave velocity from velocityâ€encoded MRI in patients with Marfan syndrome. Journal of Magnetic Resonance Imaging, 2012, 36, 1470-1476.	3.4	13
106	Three-Dimensional Echocardiography for the Preoperative Assessment of Patients With Left Ventricular Aneurysm. Annals of Thoracic Surgery, 2011, 91, 113-121.	1.3	32
107	CMR for Assessment of Diastolic Function. Current Cardiovascular Imaging Reports, 2011, 4, 149-158.	0.6	58
108	Left ventricular diastolic function assessment from threeâ€dimensional threeâ€directional velocityâ€encoded MRI with retrospective valve tracking. Journal of Magnetic Resonance Imaging, 2011, 33, 312-319.	3.4	48

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109	Ageâ€related and regional changes of aortic stiffness in the marfan syndrome: Assessment with velocityâ€encoded MRI. Journal of Magnetic Resonance Imaging, 2011, 34, 526-531.	3.4	47
110	Corrected Tetralogy of Fallot: Comparison of Tissue Doppler Imaging and Velocity-encoded MR for Assessment of Performance and Temporal Activation of Right Ventricle. Radiology, 2011, 260, 88-97.	7.3	13
111	Increased Aortic Stiffness Measured by MRI in Patients With Type 1 Diabetes Mellitus and Relationship to Renal Function. American Journal of Roentgenology, 2011, 196, 697-701.	2.2	21
112	Cerebral Perfusion and Aortic Stiffness Are Independent Predictors of White Matter Brain Atrophy in Type 1 Diabetic Patients Assessed With Magnetic Resonance Imaging. Diabetes Care, 2011, 34, 459-463.	8.6	45
113	Right coronary artery flow velocity and volume assessment with spiral Kâ€space sampled breathhold velocityâ€encoded MRI at 3 tesla: Accuracy and reproducibility. Journal of Magnetic Resonance Imaging, 2010, 31, 1215-1223.	3.4	15
114	Improved aortic pulse wave velocity assessment from multislice twoâ€directional inâ€plane velocityâ€encoded magnetic resonance imaging. Journal of Magnetic Resonance Imaging, 2010, 32, 1086-1094.	3.4	44
115	Quantitative assessment of left ventricular function in humans at 7 T. Magnetic Resonance in Medicine, 2010, 64, 1471-1477.	3.0	33
116	Quantitative Assessment of Mitral Regurgitation. Circulation: Cardiovascular Imaging, 2010, 3, 694-700.	2.6	123
117	Tetralogy of Fallot: 3D Velocity-encoded MR Imaging for Evaluation of Right Ventricular Valve Flow and Diastolic Function in Patients after Correction. Radiology, 2010, 256, 724-734.	7.3	48
118	Magnetic resonance imaging and response to cardiac resynchronization therapy: relative merits of left ventricular dyssynchrony and scar tissue. European Heart Journal, 2009, 30, 2360-2367.	2.2	107
119	Association of Aortic Arch Pulse Wave Velocity with Left Ventricular Mass and Lacunar Brain Infarcts in Hypertensive Patients: Assessment with MR Imaging. Radiology, 2009, 253, 681-688.	7.3	52
120	Validation and reproducibility of aortic pulse wave velocity as assessed with velocityâ€encoded MRI. Journal of Magnetic Resonance Imaging, 2009, 30, 521-526.	3.4	181
121	Aortic vessel wall magnetic resonance imaging at 3.0 Tesla: A reproducibility study of respiratory navigator gated freeâ€breathing 3D black blood magnetic resonance imaging. Magnetic Resonance in Medicine, 2009, 61, 35-44.	3.0	21
122	Initial results on in vivo human coronary MR angiography at 7 T. Magnetic Resonance in Medicine, 2009, 62, 1379-1384.	3.0	45
123	Quantification of Functional Mitral Regurgitation by Real-Time 3D Echocardiography. JACC: Cardiovascular Imaging, 2009, 2, 1245-1252.	5.3	158
124	Flow Assessment Through Four Heart Valves Simultaneously Using 3-Dimensional 3-Directional Velocity-Encoded Magnetic Resonance Imaging With Retrospective Valve Tracking in Healthy Volunteers and Patients With Valvular Regurgitation. Investigative Radiology, 2009, 44, 669-675.	6.2	121
125	Imaging techniques in cardiac resynchronization therapy. International Journal of Cardiovascular Imaging, 2008, 24, 89-105.	1.5	19
126	Noninvasive Imaging in Cardiac Resynchronization Therapyâ€”Part 1: Selection of Patients. PACE - Pacing and Clinical Electrophysiology, 2008, 31, 1475-1499.	1.2	74

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127	Comparison Between Tissue Doppler Imaging and Velocity-Encoded Magnetic Resonance Imaging for Measurement of Myocardial Velocities, Assessment of Left Ventricular Dyssynchrony, and Estimation of Left Ventricular Filling Pressures in Patients With Ischemic Cardiomyopathy. American Journal of Cardiology, 2008, 102, 1366-1372.	1.6	39
128	Magnetic resonance imaging assessment of reverse left ventricular remodeling late after restrictive mitral annuloplasty in early stages of dilated cardiomyopathy. Journal of Thoracic and Cardiovascular Surgery, 2008, 135, 1247-1253.	0.8	21
129	Assessment of Aortic Pulse Wave Velocity and Cardiac Diastolic Function in Subjects With and Without the Metabolic Syndrome. Diabetes Care, 2008, 31, 1442-1444.	8.6	36
130	Mitral Valve and Tricuspid Valve Blood Flow: Accurate Quantification with 3D Velocity-encoded MR Imaging with Retrospective Valve Tracking. Radiology, 2008, 249, 792-800.	7.3	160
131	Nuclear Imaging in Cardiac Resynchronization Therapy. Journal of Nuclear Medicine, 2007, 48, 2001-2010.	5.0	39
132	Assessment of Left Ventricular Dyssynchrony in Patients With Conduction Delay and Idiopathic Dilated Cardiomyopathy. Journal of the American College of Cardiology, 2006, 47, 2042-2048.	2.8	128
133	Aortic root dysfunctioning and its effect on left ventricular function in Ross procedure patients assessed with magnetic resonance imaging. American Heart Journal, 2006, 152, 975.e1-975.e8.	2.7	44
134	SPASM: A 3D-ASM for segmentation of sparse and arbitrarily oriented cardiac MRI data. Medical Image Analysis, 2006, 10, 286-303.	11.6	194
135	Influence of positional and angular variation of automatically planned short-axis stacks on quantification of left ventricular dimensions and function with cardiovascular magnetic resonance. Journal of Magnetic Resonance Imaging, 2005, 22, 754-764.	3.4	3
136	Accurate quantitation of regurgitant volume with MRI in patients selected for mitral valve repair. European Journal of Cardio-thoracic Surgery, 2005, 27, 462-467.	1.4	31
137	MRI to Evaluate Left Atrial and Ventricular Reverse Remodeling After Restrictive Mitral Annuloplasty in Dilated Cardiomyopathy. Circulation, 2005, 112, I437-42.	1.6	64
138	Accurate and Reproducible Mitral Valvular Blood Flow Measurement with Three?Directional Velocity?Encoded Magnetic Resonance Imaging. Journal of Cardiovascular Magnetic Resonance, 2004, 6, 767-776.	3.3	30
139	Scan optimization of gadolinium contrast-enhanced three-dimensional MRA of peripheral arteries with multiple bolus injections and in vitro validation of stenosis quantification. Magnetic Resonance Imaging, 1999, 17, 47-57.	1.8	25
140	Gadolinium contrast-enhanced three-dimensional MRA of peripheral arteries with multiple bolus injection: scan optimization in vitro and in vivo. International Journal of Cardiovascular Imaging, 1999, 15, 161-173.	0.6	13
141	Variations in blood flow waveforms in stenotic renal arteries by 2D phase-contrast cine MRI. Journal of Magnetic Resonance Imaging, 1998, 8, 590-597.	3.4	20
142	Objective Stenosis Quantification From Post-Stenotic Signal Loss in Phase-Contrast Magnetic Resonance Angiographic Datasets of Flow Phantoms and Renal Arteries. Magnetic Resonance Imaging, 1998, 16, 249-260.	1.8	7