

Hildo J Lamb

List of Publications by Year in Descending Order

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

297
papers

13,037
citations

60
h-index

107
g-index

327
ext. papers

14,944
ext. citations

6.8
avg, IF

5.88
L-index

#	Paper	IF	Citations
297	Nonsustained Ventricular Tachycardia Is Independently Associated With Sustained Ventricular Arrhythmias in Nonischemic Dilated Cardiomyopathy.. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2022 , CIRCEP121009979	6.4	1
296	Use of personal protective equipment by European Radiologists during the COVID-19 pandemic, a survey of the European Union of Medical Specialists (UEMS).. <i>Insights Into Imaging</i> , 2022 , 13, 20	5.6	1
295	4D flow cardiovascular magnetic resonance derived energetics in the Fontan circulation correlate with exercise capacity and CMR-derived liver fibrosis/congestion.. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2022 , 24, 21	6.9	0
294	4D Flow MRI in Ascending Aortic Aneurysms: Reproducibility of Hemodynamic Parameters. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 3912	2.6	0
293	Confirmatory factor analysis including MRI-derived adipose tissues quantification improves associations of metabolic dysregulation to diastolic dysfunction.. <i>Journal of Diabetes and Its Complications</i> , 2022 , 36, 108202	3.2	
292	Repeatability and reproducibility of deep-learning-based liver volume and Couinaud segment volume measurement tool. <i>Abdominal Radiology</i> , 2021 , 1	3	4
291	COVID-19 associated perimyocarditis. <i>Magnetic Resonance Imaging</i> , 2021 , 84, 132-134	3.3	
290	Wall shear stress in the thoracic aorta at rest and with dobutamine stress after arterial switch operation. <i>European Journal of Cardio-thoracic Surgery</i> , 2021 , 59, 814-822	3	
289	Mediation of the association between obesity and osteoarthritis by blood pressure, vessel wall stiffness and subclinical atherosclerosis. <i>Rheumatology</i> , 2021 , 60, 3268-3277	3.9	1
288	The Effect of Glycemic Control on Renal Triglyceride Content Assessed by Proton Spectroscopy in Patients With Type 2 Diabetes Mellitus: A Single-Center Parallel-Group Trial. <i>Journal of Renal Nutrition</i> , 2021 , 31, 611-619	3	1
287	Characterization of Ascending Aortic Flow in Patients With Degenerative Aneurysms: A 4D Flow Magnetic Resonance Study. <i>Investigative Radiology</i> , 2021 , 56, 494-500	10.1	3
286	Reduced scan time and superior image quality with 3D flow MRI compared to 4D flow MRI for hemodynamic evaluation of the Fontan pathway. <i>Scientific Reports</i> , 2021 , 11, 6507	4.9	2
285	Non-uniform mixing of hepatic venous flow and inferior vena cava flow in the Fontan conduit. <i>Journal of the Royal Society Interface</i> , 2021 , 18, 20201027	4.1	2
284	Normal and reference values for cardiovascular magnetic resonance-based pulse wave velocity in the middle-aged general population. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2021 , 23, 46	6.9	6
283	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. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021 , 320, H1687-H1698	5.2	1
282	Objectively Measured Physical Activity and Body Fatness: Associations with Total Body Fat, Visceral Fat, and Liver Fat. <i>Medicine and Science in Sports and Exercise</i> , 2021 , 53, 2309-2317	1.2	1
281	Effectiveness of a multidisciplinary clinical pathway for women with systemic lupus erythematosus and/or antiphospholipid syndrome. <i>Lupus Science and Medicine</i> , 2021 , 8,	4.6	1

280	The effect of physical activity level and exercise training on the association between plasma branched-chain amino acids and intrahepatic lipid content in participants with obesity. <i>International Journal of Obesity</i> , 2021 , 45, 1510-1520	5.5	2
279	Geometrically induced wall shear stress variability in CFD-MRI coupled simulations of blood flow in the thoracic aortas. <i>Computers in Biology and Medicine</i> , 2021 , 133, 104385	7	10
278	Computed Tomography Derived Coronary Triangulated Orifice Area-Deduction of a New Parameter for Follow-up After Surgical Correction of Anomalous Aortic Origin of Coronary Arteries and Call for Validation. <i>Frontiers in Cardiovascular Medicine</i> , 2021 , 8, 668503	5.4	0
277	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. <i>International Journal of Cardiovascular Imaging</i> , 2021 , 1	2.5	1
276	Reproducibility of Aorta Segmentation on 4D Flow MRI in Healthy Volunteers. <i>Journal of Magnetic Resonance Imaging</i> , 2021 , 53, 1268-1279	5.6	6
275	Multiparametric MRI in Patients With Nonalcoholic Fatty Liver Disease. <i>Journal of Magnetic Resonance Imaging</i> , 2021 , 53, 1623-1631	5.6	14
274	Response to letter: Multiparametric magnetic resonance imaging in patients with nonalcoholic fatty liver disease. <i>Journal of Magnetic Resonance Imaging</i> , 2021 , 53, 1941	5.6	
273	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. <i>European Radiology</i> , 2021 , 31, 5068-5076	8	0
272	Quantification of Myocardial Creatine and Triglyceride Content in the Human Heart: Precision and Accuracy of in vivo Proton Magnetic Resonance Spectroscopy. <i>Journal of Magnetic Resonance Imaging</i> , 2021 , 54, 411-420	5.6	2
271	The Clinical Spectrum of Kommerell's Diverticulum in Adults with a Right-Sided Aortic Arch: A Case Series and Literature Overview. <i>Journal of Cardiovascular Development and Disease</i> , 2021 , 8,	4.2	3
270	Identification of cardiovascular abnormalities by multiparametric magnetic resonance imaging in end-stage renal disease patients with preserved left ventricular ejection fraction. <i>European Radiology</i> , 2021 , 31, 7098-7109	8	1
269	Multicenter Consistency Assessment of Valvular Flow Quantification With Automated Valve Tracking in 4D Flow CMR. <i>JACC: Cardiovascular Imaging</i> , 2021 , 14, 1354-1366	8.4	5
268	Cardiorenal Syndrome: Emerging Role of Medical Imaging for Clinical Diagnosis and Management. <i>Journal of Personalized Medicine</i> , 2021 , 11,	3.6	3
267	Association of measures of body fat with serum alpha-tocopherol and its metabolites in middle-aged individuals. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2021 , 31, 2407-2415	4.5	0
266	Assessment of turbulent blood flow and wall shear stress in aortic coarctation using image-based simulations. <i>BioMedical Engineering OnLine</i> , 2021 , 20, 84	4.1	2
265	The Influence of Respiration on Blood Flow in the Fontan Circulation: Insights for Imaging-Based Clinical Evaluation of the Total Cavopulmonary Connection. <i>Frontiers in Cardiovascular Medicine</i> , 2021 , 8, 683849	5.4	1
264	4D flow MRI of type B dissection with later retrograde progression to type A dissection in Marfan: a case report. <i>European Heart Journal - Case Reports</i> , 2021 , 5, ytab288	0.9	0
263	Mendelian randomization study of the relation between adiponectin and heart function, unravelling the paradox. <i>Peptides</i> , 2021 , 146, 170664	3.8	0

262	Renal sinus fat volume in type 2 diabetes mellitus is associated with glycated hemoglobin and metabolic risk factors. <i>Journal of Diabetes and Its Complications</i> , 2021 , 35, 107973	3.2	3
261	F-nanoparticles: Platform for in vivo delivery of fluorinated biomaterials for F-MRI. <i>Journal of Controlled Release</i> , 2021 , 338, 870-889	11.7	3
260	Echo planar imaging-induced errors in intracardiac 4D flow MRI quantification. <i>Magnetic Resonance in Medicine</i> , 2021 ,	4.4	1
259	Consensus-Based Technical Recommendations for Clinical Translation of Renal Phase Contrast MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2020 ,	5.6	5
258	How to Measure the Aorta Using MRI: A Practical Guide. <i>Journal of Magnetic Resonance Imaging</i> , 2020 , 52, 971-977	5.6	7
257	T mapping performance and measurement repeatability: results from the multi-national T mapping standardization phantom program (T1MES). <i>Journal of Cardiovascular Magnetic Resonance</i> , 2020 , 22, 31	6.9	10
256	The role of C-reactive protein, adiponectin and leptin in the association between abdominal adiposity and insulin resistance in middle-aged individuals. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2020 , 30, 1306-1314	4.5	4
255	Fasting in diabetes treatment (FIT) trial: study protocol for a randomised, controlled, assessor-blinded intervention trial on the effects of intermittent use of a fasting-mimicking diet in patients with type 2 diabetes. <i>BMC Endocrine Disorders</i> , 2020 , 20, 94	3.3	2
254	Novel artificial neural network and linear regression based equation for estimating visceral adipose tissue volume. <i>Clinical Nutrition</i> , 2020 , 39, 3182-3188	5.9	6
253	The Separate Contributions of Visceral Fat and Liver Fat to Chronic Kidney Disease-Related Renal Outcomes. <i>Journal of Renal Nutrition</i> , 2020 , 30, 286-295	3	1
252	The Effect of Multi-Parametric Magnetic Resonance Imaging in Standard of Care for Nonalcoholic Fatty Liver Disease: Protocol for a Randomized Control Trial. <i>JMIR Research Protocols</i> , 2020 , 9, e19189	2	2
251	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. <i>European Heart Journal Cardiovascular Imaging</i> , 2020 , 21, 273-281	4.1	10
250	Liraglutide decreases energy expenditure and does not affect the fat fraction of supraclavicular brown adipose tissue in patients with type 2 diabetes. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2020 , 30, 616-624	4.5	8
249	Lifetime Transfusion Burden and Transfusion-Related Iron Overload in Adult Survivors of Solid Malignancies. <i>Oncologist</i> , 2020 , 25, e341-e350	5.7	2
248	Consensus-based technical recommendations for clinical translation of renal T1 and T2 mapping MRI. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2020 , 33, 163-176	2.8	17
247	Effect of Liraglutide on Cardiovascular Function and Myocardial Tissue Characteristics in Type 2 Diabetes Patients of South Asian Descent Living in the Netherlands: A Double-Blind, Randomized, Placebo-Controlled Trial. <i>Journal of Magnetic Resonance Imaging</i> , 2020 , 51, 1679-1688	5.6	12
246	The role of insulin resistance in the relation of visceral, abdominal subcutaneous and total body fat to cardiovascular function. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2020 , 30, 2230-2241	4.5	2
245	Association Between Hepatic Triglyceride Content and Coagulation Factors: The Netherlands Epidemiology of Obesity Study. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2020 , 40, 3004-3014	9.4	0

244	Altered Ascending Aorta Hemodynamics in Patients After Arterial Switch Operation for Transposition of the Great Arteries. <i>Journal of Magnetic Resonance Imaging</i> , 2020 , 51, 1105-1116	5.6	5
243	Adherence to dietary guidelines in relation to visceral fat and liver fat in middle-aged men and women: the NEO study. <i>International Journal of Obesity</i> , 2020 , 44, 297-306	5.5	3
242	New Adjusted Cutoffs for "Normal" Endocardial Voltages in Patients With Post-Infarct LV Remodeling. <i>JACC: Clinical Electrophysiology</i> , 2019 , 5, 1115-1126	4.6	4
241	The Association between Adult Weight Gain and Insulin Resistance at Middle Age: Mediation by Visceral Fat and Liver Fat. <i>Journal of Clinical Medicine</i> , 2019 , 8,	5.1	6
240	Metabolomics: a search for biomarkers of visceral fat and liver fat content. <i>Metabolomics</i> , 2019 , 15, 139	4.7	5
239	Sweet Snacks Are Positively and Fruits and Vegetables Are Negatively Associated with Visceral or Liver Fat Content in Middle-Aged Men and Women. <i>Journal of Nutrition</i> , 2019 , 149, 304-313	4.1	8
238	Late effects of pediatric hematopoietic stem cell transplantation on left ventricular function, aortic stiffness and myocardial tissue characteristics. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2019 , 21, 6	6.9	4
237	Association of cardiovascular magnetic resonance-derived circumferential strain parameters with the risk of ventricular arrhythmia and all-cause mortality in patients with prior myocardial infarction and primary prevention implantable cardioverter defibrillator. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2019 , 21, 28	6.9	3
236	Primary Osteosarcoma of the Breast. <i>Radiographics</i> , 2019 , 39, 626-629	5.4	8
235	Obesity, Brain Volume, and White Matter Microstructure at MRI: A Cross-sectional UK Biobank Study. <i>Radiology</i> , 2019 , 291, 763-771	20.5	52
234	Fatty acid binding protein 4 (FABP4) as a potential biomarker reflecting myocardial lipid storage in type 2 diabetes. <i>Metabolism: Clinical and Experimental</i> , 2019 , 96, 12-21	12.7	15
233	Metabolomics Profiling of Visceral Adipose Tissue: Results From MESA and the NEO Study. <i>Journal of the American Heart Association</i> , 2019 , 8, e010810	6	13
232	Entropy as a Novel Measure of Myocardial Tissue Heterogeneity for Prediction of Ventricular Arrhythmias and Mortality in Post-Infarct Patients. <i>JACC: Clinical Electrophysiology</i> , 2019 , 5, 480-489	4.6	16
231	Consumption of Alcoholic and Sugar-Sweetened Beverages is Associated with Increased Liver Fat Content in Middle-Aged Men and Women. <i>Journal of Nutrition</i> , 2019 , 149, 649-658	4.1	7
230	Can We Convert a Comfort Blanket to an MRI Coil?. <i>Radiology</i> , 2019 , 291, 186-187	20.5	1
229	Adult weight change in relation to visceral fat and liver fat at middle age: The Netherlands epidemiology of obesity study. <i>International Journal of Obesity</i> , 2019 , 43, 790-799	5.5	6
228	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. <i>European Radiology Experimental</i> , 2019 , 3, 24	4.5	3
227	A double-blind, placebo-controlled, randomised trial to assess the effect of liraglutide on ectopic fat accumulation in South Asian type 2 diabetes patients. <i>Cardiovascular Diabetology</i> , 2019 , 18, 87	8.7	21

226	Predictive imaging for thoracic aortic dissection and rupture: moving beyond diameters. <i>European Radiology</i> , 2019 , 29, 6396-6404	8	26
225	Hepatic triglyceride content does not affect circulating CETP: lessons from a liraglutide intervention trial and a population-based cohort. <i>Scientific Reports</i> , 2019 , 9, 9996	4.9	3
224	Stress increases intracardiac 4D flow cardiovascular magnetic resonance -derived energetics and vorticity and relates to V _O max in Fontan patients. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2019 , 21, 43	6.9	11
223	Electrocardiographic Detection of Left Ventricular Hypertrophy; Adding Body Mass Index and Spatial QRS-T Angle: A Cross-Sectional Study. <i>Cardiology and Therapy</i> , 2019 , 8, 345-356	2.8	3
222	Phenotyping diabetic cardiomyopathy in Europeans and South Asians. <i>Cardiovascular Diabetology</i> , 2019 , 18, 133	8.7	13
221	Abdominal visceral adipose tissue is associated with unsuspected pulmonary embolism on routine CT scans in patients with gastrointestinal cancer. <i>British Journal of Radiology</i> , 2019 , 92, 20190526	3.4	1
220	Reproducibility of native T mapping for renal tissue characterization at 3T. <i>Journal of Magnetic Resonance Imaging</i> , 2019 , 49, 588-596	5.6	10
219	Associations of different body fat deposits with serum 25-hydroxyvitamin D concentrations. <i>Clinical Nutrition</i> , 2019 , 38, 2851-2857	5.9	8
218	Automated Cardiac Valve Tracking for Flow Quantification with Four-dimensional Flow MRI. <i>Radiology</i> , 2019 , 290, 70-78	20.5	23
217	Deep Learning-based Method for Fully Automatic Quantification of Left Ventricle Function from Cine MR Images: A Multivendor, Multicenter Study. <i>Radiology</i> , 2019 , 290, 81-88	20.5	107
216	H-MRS for the assessment of renal triglyceride content in humans at 3T: A primer and reproducibility study. <i>Journal of Magnetic Resonance Imaging</i> , 2018 , 48, 507-513	5.6	10
215	High spatial resolution free-breathing 3D late gadolinium enhancement cardiac magnetic resonance imaging in ischaemic and non-ischaemic cardiomyopathy: quantitative assessment of scar mass and image quality. <i>European Radiology</i> , 2018 , 28, 4027-4035	8	13
214	Metabolic imaging of fatty kidney in diabetes: validation and dietary intervention. <i>Nephrology Dialysis Transplantation</i> , 2018 , 33, 224-230	4.3	14
213	Associations of Abdominal Subcutaneous and Visceral Fat with Insulin Resistance and Secretion Differ Between Men and Women: The Netherlands Epidemiology of Obesity Study. <i>Metabolic Syndrome and Related Disorders</i> , 2018 , 16, 54-63	2.6	45
212	Caloric restriction lowers endocannabinoid tonus and improves cardiac function in type 2 diabetes. <i>Nutrition and Diabetes</i> , 2018 , 8, 6	4.7	19
211	Relation of Overall and Abdominal Adiposity With Electrocardiogram Parameters of Subclinical Cardiovascular Disease in Individuals Aged 45 to 65 Years (from the Netherlands Epidemiology of Obesity Study). <i>American Journal of Cardiology</i> , 2018 , 121, 570-578	3	4
210	Associations between normal range albuminuria, renal function and cardiovascular function in a population-based imaging study. <i>Atherosclerosis</i> , 2018 , 272, 94-100	3.1	1
209	Cardiac metabolic imaging: current imaging modalities and future perspectives. <i>Journal of Applied Physiology</i> , 2018 , 124, 168-181	3.7	4

208	Incidental findings in research: A focus group study about the perspective of the research participant. <i>Journal of Magnetic Resonance Imaging</i> , 2018 , 47, 230-237	5.6	10
207	Robust motion correction for myocardial T and extracellular volume mapping by principle component analysis-based groupwise image registration. <i>Journal of Magnetic Resonance Imaging</i> , 2018 , 47, 1397-1405	5.6	8
206	Sex differences in body fat distribution are related to sex differences in serum leptin and adiponectin. <i>Peptides</i> , 2018 , 107, 25-31	3.8	33
205	Clinical application and technical considerations of T & T(*) mapping in cardiac, liver, and renal imaging. <i>British Journal of Radiology</i> , 2018 , 91, 20170825	3.4	13
204	Habitual Sleep Measures are Associated with Overall Body Fat, and not Specifically with Visceral Fat, in Men and Women. <i>Obesity</i> , 2018 , 26, 1651-1658	8	6
203	Combined brain and heart magnetic resonance imaging in systemic vasculitides: fiction or real need?. <i>Clinical and Experimental Rheumatology</i> , 2018 , 36 Suppl 111, 152-159	2.2	3
202	When should we use contrast material in cardiac MRI?. <i>Journal of Magnetic Resonance Imaging</i> , 2017 , 46, 1551-1572	5.6	7
201	Is Hepatic Triglyceride Content Associated with Aortic Pulse Wave Velocity and Carotid Intima-Media Thickness? The Netherlands Epidemiology of Obesity Study. <i>Radiology</i> , 2017 , 285, 73-82	20.5	3
200	Body fat distribution, in particular visceral fat, is associated with cardiometabolic risk factors in women with obesity. <i>Atherosclerosis</i> , 2017 , 263, e175	3.1	2
199	Association of metabolic syndrome and electrocardiographic markers of subclinical cardiovascular disease. <i>Diabetology and Metabolic Syndrome</i> , 2017 , 9, 40	5.6	11
198	Body fat distribution, in particular visceral fat, is associated with cardiometabolic risk factors in obese women. <i>PLoS ONE</i> , 2017 , 12, e0185403	3.7	66
197	Parameter optimization for reproducible cardiac H-MR spectroscopy at 3 Tesla. <i>Journal of Magnetic Resonance Imaging</i> , 2016 , 44, 1151-1158	5.6	17
196	Association between Hepatic Triglyceride Content and Left Ventricular Diastolic Function in a Population-based Cohort: The Netherlands Epidemiology of Obesity Study. <i>Radiology</i> , 2016 , 279, 443-50	20.5	12
195	Serum CETP concentration is not associated with measures of body fat: The NEO study. <i>Atherosclerosis</i> , 2016 , 246, 267-73	3.1	4
194	Improved Cardiac Proton Magnetic Resonance Spectroscopy at 3 T Using High Permittivity Pads. <i>Investigative Radiology</i> , 2016 , 51, 134-8	10.1	9
193	Circulating Long Noncoding RNAs in Personalized Medicine: Response to Pioglitazone Therapy in Type 2 Diabetes. <i>Journal of the American College of Cardiology</i> , 2016 , 68, 2914-2916	15.1	19
192	Individual contributions of visceral fat and total body fat to subclinical atherosclerosis: The NEO study. <i>Atherosclerosis</i> , 2015 , 241, 547-54	3.1	34
191	Preprocedural magnetic resonance imaging for image-guided catheter ablation of scar-related ventricular tachycardia. <i>International Journal of Cardiovascular Imaging</i> , 2015 , 31, 369-77	2.5	11

190	Rationale, Design, and Methodological Aspects of the BUDAPEST-GLOBAL Study (Burden of Atherosclerotic Plaques Study in Twins-Genetic Loci and the Burden of Atherosclerotic Lesions). <i>Clinical Cardiology</i> , 2015 , 38, 699-707	3.3	16
189	Visceral adipose tissue is associated with microstructural brain tissue damage. <i>Obesity</i> , 2015 , 23, 1092-68		19
188	Automated left ventricle segmentation in late gadolinium-enhanced MRI for objective myocardial scar assessment. <i>Journal of Magnetic Resonance Imaging</i> , 2015 , 42, 390-9	5.6	25
187	Super-resolution reconstruction of late gadolinium-enhanced MRI for improved myocardial scar assessment. <i>Journal of Magnetic Resonance Imaging</i> , 2015 , 42, 160-7	5.6	8
186	SP113IMAGING FATTY KIDNEY USING PROTON MR SPECTROSCOPY: VALIDATION BY PORCINE KIDNEY BIOPSIES. <i>Nephrology Dialysis Transplantation</i> , 2015 , 30, iii414-iii414	4.3	1
185	Middle-aged overweight South Asian men exhibit a different metabolic adaptation to short-term energy restriction compared with Europeans. <i>Diabetologia</i> , 2015 , 58, 165-77	10.3	0
184	Body fat, especially visceral fat, is associated with electrocardiographic measures of sympathetic activation. <i>Obesity</i> , 2014 , 22, 1553-9	8	22
183	Coupling of vessel wall morphology and function in the aorta and the carotid artery: an evaluation with MRI. <i>International Journal of Cardiovascular Imaging</i> , 2014 , 30, 91-8	2.5	4
182	Sustained cardiac remodeling after a short-term very low calorie diet in type 2 diabetes mellitus patients. <i>International Journal of Cardiovascular Imaging</i> , 2014 , 30, 121-7	2.5	8
181	Myocardial scar identification based on analysis of Look-Locker and 3D late gadolinium enhanced MRI. <i>International Journal of Cardiovascular Imaging</i> , 2014 , 30, 925-34	2.5	1
180	Metabolic imaging of the human heart: clinical application of magnetic resonance spectroscopy. <i>Heart</i> , 2014 , 100, 881-90	5.1	25
179	Very-low-calorie diet increases myocardial triglyceride content and decreases diastolic left ventricular function in type 2 diabetes with cardiac complications. <i>Diabetes Care</i> , 2014 , 37, e1-2	14.6	10
178	Pulse wave velocity and flow in the carotid artery versus the aortic arch: effects of aging. <i>Journal of Magnetic Resonance Imaging</i> , 2014 , 40, 287-93	5.6	22
177	Effects of bariatric surgery on pericardial ectopic fat depositions and cardiovascular function. <i>Clinical Endocrinology</i> , 2014 , 81, 689-95	3.4	22
176	Short-term effects of a standardized glucose load on region-specific aortic pulse wave velocity assessed by MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2014 , 39, 717-21	5.6	1
175	Computed tomography evaluation of cardiac structure and function. <i>Journal of Thoracic Imaging</i> , 2014 , 29, 173-84	5.6	2
174	A 5-day high-fat, high-calorie diet impairs insulin sensitivity in healthy, young South Asian men but not in Caucasian men. <i>Diabetes</i> , 2014 , 63, 248-58	0.9	48
173	High spatial resolution coronary magnetic resonance angiography at 7 T: comparison with low spatial resolution bright blood imaging. <i>Investigative Radiology</i> , 2014 , 49, 326-30	10.1	8

172	Fatty kidney: emerging role of ectopic lipid in obesity-related renal disease. <i>Lancet Diabetes and Endocrinology</i> , 2014 , 2, 417-26	18.1	221
171	Abdominal visceral and subcutaneous fat increase, insulin resistance and hyperlipidemia in testicular cancer patients treated with cisplatin-based chemotherapy. <i>Acta Oncologica</i> , 2014 , 53, 351-60	3.2	26
170	Aortic stiffness is related to left ventricular diastolic function in patients with diabetes mellitus type 1: assessment with MRI and speckle tracking strain analysis. <i>International Journal of Cardiovascular Imaging</i> , 2013 , 29, 633-41	2.5	16
169	Activin A is associated with impaired myocardial glucose metabolism and left ventricular remodeling in patients with uncomplicated type 2 diabetes. <i>Cardiovascular Diabetology</i> , 2013 , 12, 150	8.7	22
168	MRI-assessed regional pulse wave velocity for predicting absence of regional aorta luminal growth in marfan syndrome. <i>International Journal of Cardiology</i> , 2013 , 167, 2977-82	3.2	34
167	Right ventricular involvement in diabetic cardiomyopathy. <i>Diabetes Care</i> , 2013 , 36, 457-62	14.6	37
166	Functional and metabolic imaging of the cardiovascular system in young healthy South Asians and Caucasians unveils early differences. <i>Diabetes Care</i> , 2013 , 36, e178-9	14.6	3
165	Exercise and Type 2 Diabetes Mellitus: Changes in Tissue-specific Fat Distribution and Cardiac Function. <i>Radiology</i> , 2013 , 269, 434-442	20.5	39
164	Dietary modulation of plasma angiotensin-like protein 4 concentrations in healthy volunteers and in patients with type 2 diabetes. <i>American Journal of Clinical Nutrition</i> , 2013 , 97, 255-60	7	40
163	Site-specific coupling between vascular wall thickness and function: an observational MRI study of vessel wall thickening and stiffening in hypertension. <i>Investigative Radiology</i> , 2013 , 48, 86-91	10.1	12
162	Self-gated CINE MRI for combined contrast-enhanced imaging and wall-stiffness measurements of murine aortic atherosclerotic lesions. <i>PLoS ONE</i> , 2013 , 8, e57299	3.7	4
161	Metabolic imaging of human kidney triglyceride content: reproducibility of proton magnetic resonance spectroscopy. <i>PLoS ONE</i> , 2013 , 8, e62209	3.7	23
160	Effects of short-term nutritional interventions on right ventricular function in healthy men. <i>PLoS ONE</i> , 2013 , 8, e76406	3.7	3
159	Use of a single hybrid imaging agent for integration of target validation with in vivo and ex vivo imaging of mouse tumor lesions resembling human DCIS. <i>PLoS ONE</i> , 2013 , 8, e48324	3.7	17
158	Cardioprotective properties of omentin-1 in type 2 diabetes: evidence from clinical and in vitro studies. <i>PLoS ONE</i> , 2013 , 8, e59697	3.7	65
157	Exercise and type 2 diabetes mellitus: changes in tissue-specific fat distribution and cardiac function. <i>Radiology</i> , 2013 , 269, 434-42	20.5	22
156	Improved myocardial scar characterization by super-resolution reconstruction in late gadolinium enhanced MRI. <i>Lecture Notes in Computer Science</i> , 2013 , 16, 147-54	0.9	1
155	Short-term caloric restriction normalizes hypothalamic neuronal responsiveness to glucose ingestion in patients with type 2 diabetes. <i>Diabetes</i> , 2012 , 61, 3255-9	0.9	26

154	Long-term beneficial effect of a 16-week very low calorie diet on pericardial fat in obese type 2 diabetes mellitus patients. <i>Obesity</i> , 2012 , 20, 1572-6	8	59
153	Evaluation of sampling density on the accuracy of aortic pulse wave velocity from velocity-encoded MRI in patients with Marfan syndrome. <i>Journal of Magnetic Resonance Imaging</i> , 2012 , 36, 1470-6	5.6	11
152	Toward magnetic resonance-guided electroanatomical voltage mapping for catheter ablation of scar-related ventricular tachycardia: a comparison of registration methods. <i>Journal of Cardiovascular Electrophysiology</i> , 2012 , 23, 74-80	2.7	23
151	Distinct effects of pioglitazone and metformin on circulating sclerostin and biochemical markers of bone turnover in men with type 2 diabetes mellitus. <i>European Journal of Endocrinology</i> , 2012 , 166, 711-6	6.5	60
150	MR imaging evaluation of cardiovascular risk in metabolic syndrome. <i>Radiology</i> , 2012 , 264, 21-37	20.5	37
149	Association between diffuse myocardial fibrosis by cardiac magnetic resonance contrast-enhanced T1 mapping and subclinical myocardial dysfunction in diabetic patients: a pilot study. <i>Circulation: Cardiovascular Imaging</i> , 2012 , 5, 51-9	3.9	88
148	Ultrahigh-field 7-T magnetic resonance carotid vessel wall imaging: initial experience in comparison with 3-T field strength. <i>Investigative Radiology</i> , 2012 , 47, 697-704	10.1	16
147	Feasibility of diastolic function assessment with cardiac CT: feasibility study in comparison with tissue Doppler imaging. <i>JACC: Cardiovascular Imaging</i> , 2011 , 4, 246-56	8.4	40
146	Multimodality imaging in diabetic heart disease. <i>Current Problems in Cardiology</i> , 2011 , 36, 9-47	17.1	16
145	Cardiac lipid content is unresponsive to a physical activity training intervention in type 2 diabetic patients, despite improved ejection fraction. <i>Cardiovascular Diabetology</i> , 2011 , 10, 47	8.7	34
144	Association of plasma osteoprotegerin and adiponectin with arterial function, cardiac function and metabolism in asymptomatic type 2 diabetic men. <i>Cardiovascular Diabetology</i> , 2011 , 10, 67	8.7	26
143	Effect of lifestyle intervention plus rosiglitazone or placebo therapy on left ventricular mass assessed with cardiovascular magnetic resonance in the metabolic syndrome. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2011 , 13, 65	6.9	6
142	Automated regional wall motion abnormality detection by combining rest and stress cardiac MRI: correlation with contrast-enhanced MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2011 , 34, 270-8	5.6	7
141	Intramyocardial bone marrow-derived mononuclear cell injection for chronic myocardial ischemia: the effect on diastolic function. <i>Circulation: Cardiovascular Imaging</i> , 2011 , 4, 122-9	3.9	15
140	Prolonged caloric restriction in obese patients with type 2 diabetes mellitus decreases plasma CETP and increases apolipoprotein AI levels without improving the cholesterol efflux properties of HDL. <i>Diabetes Care</i> , 2011 , 34, 2576-80	14.6	29
139	Slice-Based Combination of Rest and Dobutamine Stress Cardiac MRI Using a Statistical Motion Model to Identify Myocardial Infarction: Validation against Contrast-Enhanced MRI. <i>Lecture Notes in Computer Science</i> , 2011 , 267-274	0.9	
138	Quantitative assessment of mitral regurgitation: comparison between three-dimensional transesophageal echocardiography and magnetic resonance imaging. <i>Circulation: Cardiovascular Imaging</i> , 2010 , 3, 694-700	3.9	97
137	Pioglitazone decreases plasma cholesteryl ester transfer protein mass, associated with a decrease in hepatic triglyceride content, in patients with type 2 diabetes. <i>Diabetes Care</i> , 2010 , 33, 1625-8	14.6	16

136	Liver fat content in type 2 diabetes: relationship with hepatic perfusion and substrate metabolism. <i>Diabetes</i> , 2010 , 59, 2747-54	0.9	32
135	Pioglitazone compared with metformin increases pericardial fat volume in patients with type 2 diabetes mellitus. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2010 , 95, 456-60	5.6	67
134	Improved ejection fraction after exercise training in obesity is accompanied by reduced cardiac lipid content. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2010 , 95, 1932-8	5.6	51
133	Effects of hepatic triglyceride content on myocardial metabolism in type 2 diabetes. <i>Journal of the American College of Cardiology</i> , 2010 , 56, 225-33	15.1	97
132	Myocardial steatosis and biventricular strain and strain rate imaging in patients with type 2 diabetes mellitus. <i>Circulation</i> , 2010 , 122, 2538-44	16.7	155
131	Assessment of right ventricular function in acute pulmonary embolism using ECG-synchronized MDCT. <i>American Journal of Roentgenology</i> , 2010 , 195, 909-15	5.4	10
130	Automated segmentation of myocardial scar in late enhancement MRI using combined intensity and spatial information. <i>Magnetic Resonance in Medicine</i> , 2010 , 64, 586-94	4.4	58
129	Infarct tissue heterogeneity assessed with contrast-enhanced MRI predicts spontaneous ventricular arrhythmia in patients with ischemic cardiomyopathy and implantable cardioverter-defibrillator. <i>Circulation: Cardiovascular Imaging</i> , 2009 , 2, 183-90	3.9	329
128	Pioglitazone improves cardiac function and alters myocardial substrate metabolism without affecting cardiac triglyceride accumulation and high-energy phosphate metabolism in patients with well-controlled type 2 diabetes mellitus. <i>Circulation</i> , 2009 , 119, 2069-77	16.7	175
127	Automated detection of regional wall motion abnormalities based on a statistical model applied to multislice short-axis cardiac MR images. <i>IEEE Transactions on Medical Imaging</i> , 2009 , 28, 595-607	11.7	66
126	Findings from left ventricular strain and strain rate imaging in asymptomatic patients with type 2 diabetes mellitus. <i>American Journal of Cardiology</i> , 2009 , 104, 1398-401	3	227
125	Positive association between increased popliteal artery vessel wall thickness and generalized osteoarthritis: is OA also part of the metabolic syndrome?. <i>Skeletal Radiology</i> , 2009 , 38, 1147-51	2.7	42
124	Agreement and disagreement between contrast-enhanced magnetic resonance imaging and nuclear imaging for assessment of myocardial viability. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2009 , 36, 594-601	8.8	34
123	Kinetic models for analysing myocardial [(11)C]palmitate data. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2009 , 36, 966-78	8.8	9
122	Altered myocardial substrate metabolism and decreased diastolic function in nonischemic human diabetic cardiomyopathy: studies with cardiac positron emission tomography and magnetic resonance imaging. <i>Journal of the American College of Cardiology</i> , 2009 , 54, 1524-32	15.1	201
121	Pioglitazone alters fat distribution in patients with type 2 diabetes mellitus, in contrast to metformin. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2009 , 11,	6.9	78
120	Fatty liver in uncomplicated type 2 DM is associated with impaired myocardial HEP metabolism, modulated by myocardial glucose uptake. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2009 , 11,	6.9	78
119	Validation of echocardiographic two-dimensional speckle tracking longitudinal strain imaging for viability assessment in patients with chronic ischemic left ventricular dysfunction and comparison with contrast-enhanced magnetic resonance imaging. <i>American Journal of Cardiology</i> , 2009 , 104, 312-7	3	101

118	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. <i>Investigative Radiology</i> , 2009 , 44, 669-75	10.1	106
117	Prolonged caloric restriction in obese patients with type 2 diabetes mellitus decreases myocardial triglyceride content and improves myocardial function. <i>Journal of the American College of Cardiology</i> , 2008 , 52, 1006-12	15.1	180
116	Myocardial steatosis is an independent predictor of diastolic dysfunction in type 2 diabetes mellitus. <i>Journal of the American College of Cardiology</i> , 2008 , 52, 1793-9	15.1	403
115	Short-term hyperglycemic dysregulation in patients with type 1 diabetes does not change myocardial triglyceride content or myocardial function. <i>Diabetes Care</i> , 2008 , 31, 1613-4	14.6	10
114	The ageing male heart: myocardial triglyceride content as independent predictor of diastolic function. <i>European Heart Journal</i> , 2008 , 29, 1516-22	9.5	94
113	Short-term flexibility of myocardial triglycerides and diastolic function in patients with type 2 diabetes mellitus. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2008 , 295, E714-8	6	56
112	Assessment of aortic pulse wave velocity and cardiac diastolic function in subjects with and without the metabolic syndrome: HDL cholesterol is independently associated with cardiovascular function. <i>Diabetes Care</i> , 2008 , 31, 1442-4	14.6	31
111	Effects of short-term high-fat, high-energy diet on hepatic and myocardial triglyceride content in healthy men. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2008 , 93, 2702-8	5.6	86
110	Progressive caloric restriction induces dose-dependent changes in myocardial triglyceride content and diastolic function in healthy men. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2008 , 93, 497-503	5.6	89
109	Metabolic MRI of myocardial and hepatic triglyceride content in response to nutritional interventions. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2008 , 11, 573-9	3.8	20
108	Effect of intramyocardial bone marrow cell injection on diastolic function in patients with chronic myocardial ischemia. <i>Journal of Magnetic Resonance Imaging</i> , 2008 , 27, 992-7	5.6	24
107	Stroke volume measurements with first-pass dynamic positron emission tomography: comparison with cardiovascular magnetic resonance. <i>Journal of Nuclear Cardiology</i> , 2008 , 15, 218-24	2.1	5
106	Assessment of Diastolic Function by Cardiac MRI 2008 , 415-428		
105	Assessment of the carotid artery by MRI at 3T: a study on reproducibility. <i>Journal of Magnetic Resonance Imaging</i> , 2007 , 25, 1035-43	5.6	50
104	Impact of coronary calcium score on diagnostic accuracy of multislice computed tomography coronary angiography for detection of coronary artery disease. <i>Journal of Nuclear Cardiology</i> , 2007 , 14, 36-43	2.1	26
103	Comparison of myocardial infarct size assessed with contrast-enhanced magnetic resonance imaging and left ventricular function and volumes to predict mortality in patients with healed myocardial infarction. <i>American Journal of Cardiology</i> , 2007 , 100, 930-6	3	533
102	Cardiovascular molecular MR imaging. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2007 , 34 Suppl 1, S99-104	8.8	13
101	Intramyocardial bone marrow cell transplantation and the progression of coronary atherosclerosis in patients with chronic myocardial ischemia. <i>Acute Cardiac Care</i> , 2007 , 9, 243-51		4

100	Magnetic resonance assessment of aortic pulse wave velocity, aortic distensibility, and cardiac function in uncomplicated type 2 diabetes mellitus. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2007 , 9, 645-51	6.9	70
99	Evaluation of patients with previous coronary stent implantation with 64-section CT. <i>Radiology</i> , 2007 , 245, 416-23	20.5	52
98	Metabolic imaging of myocardial triglyceride content: reproducibility of 1H MR spectroscopy with respiratory navigator gating in volunteers. <i>Radiology</i> , 2007 , 245, 251-7	20.5	116
97	Tissue cardiovascular magnetic resonance demonstrates regional diastolic dysfunction in remote tissue early after inferior myocardial infarction. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2007 , 9, 877-82	6.9	8
96	Validation of a high-resolution, phase contrast cardiovascular magnetic resonance sequence for evaluation of flow in coronary artery bypass grafts. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2007 , 9, 557-63	6.9	6
95	Scar tissue on contrast-enhanced MRI predicts left ventricular remodelling after acute infarction. <i>Heart</i> , 2007 , 93, 375-6	5.1	13
94	Assessment of right ventricular infarction with contrast-enhanced magnetic resonance imaging. <i>Coronary Artery Disease</i> , 2007 , 18, 39-43	1.4	21
93	Short-term caloric restriction induces accumulation of myocardial triglycerides and decreases left ventricular diastolic function in healthy subjects. <i>Diabetes</i> , 2007 , 56, 2849-53	0.9	491
92	Global and regional left ventricular function: a comparison between gated SPECT, 2D echocardiography and multi-slice computed tomography. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2006 , 33, 1452-60	8.8	30
91	Relation of B-type natriuretic peptide early after acute myocardial infarction to left ventricular diastolic function and extent of myocardial damage determined by magnetic resonance imaging. <i>American Journal of Cardiology</i> , 2006 , 97, 1146-50	3	12
90	Usefulness of intramyocardial injection of autologous bone marrow-derived mononuclear cells in patients with severe angina pectoris and stress-induced myocardial ischemia. <i>American Journal of Cardiology</i> , 2006 , 97, 1326-31	3	54
89	Diagnostic accuracy of 64-slice multislice computed tomography in the noninvasive evaluation of significant coronary artery disease. <i>American Journal of Cardiology</i> , 2006 , 98, 145-8	3	178
88	Global and regional left ventricular function assessment with 16-detector row CT: comparison with echocardiography and cardiovascular magnetic resonance. <i>European Journal of Echocardiography</i> , 2006 , 7, 308-14		58
87	Effect of posterolateral scar tissue on clinical and echocardiographic improvement after cardiac resynchronization therapy. <i>Circulation</i> , 2006 , 113, 969-76	16.7	1003
86	Clinical Applications of Cardiac Multi-Slice Computed Tomography. <i>Current Medical Imaging</i> , 2006 , 2, 139-146	1.2	
85	Assessment of left ventricular dyssynchrony in patients with conduction delay and idiopathic dilated cardiomyopathy: head-to-head comparison between tissue doppler imaging and velocity-encoded magnetic resonance imaging. <i>Journal of the American College of Cardiology</i> , 2006 , 47, 2042-8	15.1	112
84	Relationship between noninvasive coronary angiography with multi-slice computed tomography and myocardial perfusion imaging. <i>Journal of the American College of Cardiology</i> , 2006 , 48, 2508-14	15.1	370
83	Meta-analysis of comparative diagnostic performance of magnetic resonance imaging and multislice computed tomography for noninvasive coronary angiography. <i>American Heart Journal</i> , 2006 , 151, 404-11	4.9	194

82	Assessment of global and regional left ventricular function and volumes with 64-slice MSCT: a comparison with 2D echocardiography. <i>Journal of Nuclear Cardiology</i> , 2006 , 13, 480-7	2.1	64
81	Do risk factors influence the diagnostic accuracy of noninvasive coronary angiography with multislice computed tomography?. <i>Journal of Nuclear Cardiology</i> , 2006 , 13, 635-41	2.1	16
80	Magnetic resonance imaging of coronary arteries, the ischemic cascade, and myocardial infarction. <i>American Heart Journal</i> , 2005 , 149, 200-8	4.9	13
79	Comprehensive assessment of patients after coronary artery bypass grafting by 16-detector-row computed tomography. <i>American Heart Journal</i> , 2005 , 150, 775-81	4.9	81
78	Multislice computed tomography versus intracardiac echocardiography to evaluate the pulmonary veins before radiofrequency catheter ablation of atrial fibrillation: a head-to-head comparison. <i>Journal of the American College of Cardiology</i> , 2005 , 45, 343-50	15.1	116
77	Noninvasive visualization of the cardiac venous system using multislice computed tomography. <i>Journal of the American College of Cardiology</i> , 2005 , 45, 749-53	15.1	195
76	Feasibility of tissue magnetic resonance imaging: a pilot study in comparison with tissue Doppler imaging and invasive measurement. <i>Journal of the American College of Cardiology</i> , 2005 , 45, 1109-16	15.1	118
75	Time course of diastolic and systolic function improvement after pulmonary valve replacement in adult patients with tetralogy of Fallot. <i>Journal of the American College of Cardiology</i> , 2005 , 46, 1559-64	15.1	52
74	Fusion of multislice computed tomography imaging with three-dimensional electroanatomic mapping to guide radiofrequency catheter ablation procedures. <i>Heart Rhythm</i> , 2005 , 2, 1076-81	6.7	144
73	Hemodynamic evaluation of saphenous vein coronary artery bypass grafts: relative merits of Doppler flow velocity and SPECT perfusion imaging. <i>Journal of Nuclear Cardiology</i> , 2005 , 12, 545-52	2.1	13
72	Cardiac multidetector-row computed tomography in patients with unstable angina. <i>American Journal of Cardiology</i> , 2005 , 95, 457-61	3	56
71	Noninvasive coronary imaging and assessment of left ventricular function using 16-slice computed tomography. <i>American Journal of Cardiology</i> , 2005 , 95, 571-4	3	112
70	Which parameters on magnetic resonance imaging determine Q waves on the electrocardiogram?. <i>American Journal of Cardiology</i> , 2005 , 95, 925-9	3	48
69	Diabetic cardiomyopathy in uncomplicated type 2 diabetes is associated with the metabolic syndrome and systemic inflammation. <i>Diabetologia</i> , 2005 , 48, 1669-70	10.3	35
68	Evaluation of Saphenous Vein Coronary Artery Bypass Graft Flow by Cardiovascular Magnetic Resonance. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2005 , 7, 631-637	6.9	7
67	Noninvasive evaluation of the coronary arteries with multislice computed tomography in hypertensive patients. <i>Hypertension</i> , 2005 , 45, 227-32	8.5	34
66	Noninvasive evaluation of coronary artery disease: magnetic resonance imaging & multi-slice computed tomography. <i>Future Cardiology</i> , 2005 , 1, 79-86	1.3	
65	Atrial fibrillation: multi-detector row CT of pulmonary vein anatomy prior to radiofrequency catheter ablation—initial experience. <i>Radiology</i> , 2005 , 234, 702-9	20.5	113

64	Intraatrial repair of transposition of the great arteries: use of MR imaging after exercise to evaluate regional systemic right ventricular function. <i>Radiology</i> , 2005 , 237, 861-7	20.5	16
63	The association between abdominal visceral fat and carotid stiffness is mediated by circulating inflammatory markers in uncomplicated type 2 diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2005 , 90, 1495-501	5.6	76
62	Blood flow in coronary artery bypass vein grafts: volume versus velocity at cardiovascular MR imaging. <i>Radiology</i> , 2004 , 232, 915-20	20.5	8
61	Images in cardiovascular medicine. Dynamic multislice computed tomography of left ventricular function. <i>Circulation</i> , 2004 , 109, e25-6	16.7	3
60	Accurate and reproducible mitral valvular blood flow measurement with three-directional velocity-encoded magnetic resonance imaging. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2004 , 6, 767-76	6.9	27
59	Noninvasive angiography and assessment of left ventricular function using multislice computed tomography in patients with type 2 diabetes. <i>Diabetes Care</i> , 2004 , 27, 2905-10	14.6	52
58	Head-to-head comparison between contrast-enhanced magnetic resonance imaging and dobutamine magnetic resonance imaging in men with ischemic cardiomyopathy. <i>American Journal of Cardiology</i> , 2004 , 93, 1461-4	3	69
57	Quantification of myocardial infarct size and transmural by contrast-enhanced magnetic resonance imaging in men. <i>American Journal of Cardiology</i> , 2004 , 94, 284-8	3	57
56	Feasibility of assessment of coronary stent patency using 16-slice computed tomography. <i>American Journal of Cardiology</i> , 2004 , 94, 427-30	3	143
55	Six-months of recombinant human GH therapy in patients with ischemic cardiac failure. <i>International Journal of Cardiovascular Imaging</i> , 2004 , 20, 53-60	2.5	7
54	Coronary stent imaging with multidetector row computed tomography. <i>International Journal of Cardiovascular Imaging</i> , 2004 , 20, 341-4		6
53	MR flow mapping of dobutamine-induced changes in diastolic heart function. <i>Journal of Magnetic Resonance Imaging</i> , 2004 , 19, 176-81	5.6	12
52	Functional significance of stenoses in coronary artery bypass grafts. Evaluation by single-photon emission computed tomography perfusion imaging, cardiovascular magnetic resonance, and angiography. <i>Journal of the American College of Cardiology</i> , 2004 , 44, 1877-82	15.1	1
51	Comparison of gated PET with MRI for evaluation of left ventricular function in patients with coronary artery disease. <i>Journal of Nuclear Medicine</i> , 2004 , 45, 176-82	8.9	37
50	Vein graft function improvement after percutaneous intervention: evaluation with MR flow mapping. <i>Radiology</i> , 2003 , 228, 834-41	20.5	11
49	Real-time MR imaging of aortic flow: influence of breathing on left ventricular stroke volume in chronic obstructive pulmonary disease. <i>Radiology</i> , 2003 , 229, 513-9	20.5	35
48	Tetralogy of Fallot: postoperative delayed recovery of left ventricular stroke volume after physical exercise assessment with fast MR imaging. <i>Radiology</i> , 2003 , 226, 278-84	20.5	10
47	Three-dimensional active shape model matching for left ventricle segmentation in cardiac CT 2003 ,		3

46	Coronary magnetic resonance angiography: technical developments and clinical applications. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2003 , 5, 365-86	6.9	15
45	Evaluation of ECG criteria for left ventricular hypertrophy before and after aortic valve replacement using magnetic resonance imaging. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2003 , 5, 465-74	6.9	2
44	Toward comparability of coronary magnetic resonance angiography: proposal for a standardized quantitative assessment. <i>European Radiology</i> , 2003 , 13, 2353-7	8	6
43	Comparison of aortic elasticity in patients with the marfan syndrome with and without aortic root replacement. <i>American Journal of Cardiology</i> , 2003 , 91, 637-40	3	26
42	Three-dimensional navigator coronary MRA with the aid of a blood pool agent in pigs: improved image quality with inclusion of the contrast agent first-pass. <i>Journal of Magnetic Resonance Imaging</i> , 2003 , 18, 502-6	5.6	7
41	Gastric motility and emptying: Evaluation of the barostat method with MRI. <i>Gastroenterology</i> , 2003 , 124, A673	13.3	2
40	Diastolic dysfunction is associated with altered myocardial metabolism in asymptomatic normotensive patients with well-controlled type 2 diabetes mellitus. <i>Journal of the American College of Cardiology</i> , 2003 , 42, 328-35	15.1	289
39	Evaluation of rerouting surgery of a coronary artery anomaly by magnetic resonance angiography. <i>Annals of Thoracic Surgery</i> , 2003 , 76, 1748	2.7	3
38	Improved MR coronary angiography with use of a new rapid clearance blood pool contrast agent in pigs. <i>Radiology</i> , 2003 , 227, 802-8	20.5	20
37	MRI evaluation of left ventricular function in anterior LV aneurysms before and after surgical resection. <i>European Journal of Cardio-thoracic Surgery</i> , 2003 , 23, 609-13	3	13
36	Value of magnetic resonance imaging for the noninvasive detection of stenosis in coronary artery bypass grafts and recipient coronary arteries. <i>Circulation</i> , 2003 , 107, 1502-8	16.7	68
35	Comparison of MSCT and MRA in the evaluation of an anomalous right coronary artery. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2003 , 5, 403-5	6.9	1
34	Usefulness of dynamic multislice computed tomography of left ventricular function in unstable angina pectoris and comparison with echocardiography. <i>American Journal of Cardiology</i> , 2002 , 90, 1157-60	3	95
33	Volume tracking cardiac 31P spectroscopy. <i>Magnetic Resonance in Medicine</i> , 2002 , 48, 380-4	4.4	33
32	Noninvasive and invasive evaluation of noncompaction cardiomyopathy. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2002 , 4, 353-7	6.9	14
31	MR flow mapping in coronary artery bypass grafts: a validation study with Doppler flow measurements. <i>Radiology</i> , 2002 , 222, 127-35	20.5	35
30	Gastric motility: comparison of assessment with real-time MR imaging or barostat measurement initial experience. <i>Radiology</i> , 2002 , 224, 592-7	20.5	61
29	Exercise MR imaging in the assessment of pulmonary regurgitation and biventricular function in patients after tetralogy of fallot repair. <i>Radiology</i> , 2002 , 223, 204-11	20.5	106

28	Detection of vein graft disease using high-resolution magnetic resonance angiography. <i>Circulation</i> , 2002 , 105, 328-33	16.7	97
27	Images in cardiovascular medicine. Malignant right coronary artery anomaly detected by magnetic resonance coronary angiography. <i>Circulation</i> , 2002 , 106, 1881-2	16.7	5
26	Left ventricular remodeling early after aortic valve replacement: differential effects on diastolic function in aortic valve stenosis and aortic regurgitation. <i>Journal of the American College of Cardiology</i> , 2002 , 40, 2182-8	15.1	76
25	Assessment of diastolic function by cardiovascular magnetic resonance. <i>American Heart Journal</i> , 2002 , 144, 198-205	4.9	86
24	Biventricular response to supine physical exercise in young adults assessed with ultrafast magnetic resonance imaging. <i>American Journal of Cardiology</i> , 2001 , 87, 601-5	3	62
23	Prolonged cardiac recovery from exercise in asymptomatic adults late after atrial correction of transposition of the great arteries: evaluation with magnetic resonance flow mapping. <i>American Journal of Cardiology</i> , 2001 , 88, 1011-7	3	16
22	Six months of recombinant human GH therapy in patients with ischemic cardiac failure does not influence left ventricular function and mass. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2001 , 86, 4638-43	5.6	35
21	Automated observer-independent acquisition of cardiac short-axis MR images: a pilot study. <i>Radiology</i> , 2001 , 221, 537-42	20.5	35
20	Aortic valve replacement in patients with aortic valve stenosis improves myocardial metabolism and diastolic function. <i>Radiology</i> , 2001 , 219, 637-43	20.5	38
19	Improved MR flow mapping in coronary artery bypass grafts during adenosine-induced stress. <i>Radiology</i> , 2001 , 218, 540-7	20.5	38
18	Comparison of gated single-photon emission computed tomography with magnetic resonance imaging for evaluation of left ventricular function in ischemic cardiomyopathy. <i>American Journal of Cardiology</i> , 2000 , 86, 1299-305	3	107
17	Functional and metabolic consequences of aortic valve replacement. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2000 , 11, 75-7	2.8	
16	Diastolic dysfunction in hypertensive heart disease is associated with altered myocardial metabolism. <i>Circulation</i> , 1999 , 99, 2261-7	16.7	182
15	Magnetic resonance imaging of ischemic heart disease: why cardiac magnetic resonance imaging will play a significant role in the management of patients with coronary artery disease. <i>Journal of Computer Assisted Tomography</i> , 1999 , 23 Suppl 1, S135-41	2.2	8
14	Functional and metabolic evaluation of the hypertrophied heart using MRI and ³¹ P-MRS. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 1998 , 6, 168-70	2.8	2
13	Functional and metabolic evaluation of the hypertrophied heart using MRI and ³¹ P-MRS. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 1998 , 6, 168-170	2.8	2
12	MR of the heart under pharmacologic stress. <i>Cardiology Clinics</i> , 1998 , 16, 247-65	2.5	5
11	Functional and metabolic evaluation of the athlete's heart by magnetic resonance imaging and dobutamine stress magnetic resonance spectroscopy. <i>Circulation</i> , 1998 , 97, 666-72	16.7	121

10	Metabolic response of normal human myocardium to high-dose atropine-dobutamine stress studied by 31P-MRS. <i>Circulation</i> , 1997 , 96, 2969-77	16.7	51
9	Comparison between manual and semiautomated analysis of left ventricular volume parameters from short-axis MR images. <i>Journal of Computer Assisted Tomography</i> , 1997 , 21, 756-65	2.2	167
8	Reproducibility of human cardiac 31P-NMR spectroscopy. <i>NMR in Biomedicine</i> , 1996 , 9, 217-27	4.4	54
7	Echo planar MRI of the heart on a standard system: validation of measurements of left ventricular function and mass. <i>Journal of Computer Assisted Tomography</i> , 1996 , 20, 942-9	2.2	72
6	Reproducibility of MRI-derived measurements of right ventricular volumes and myocardial mass. <i>Magnetic Resonance Imaging</i> , 1995 , 13, 53-63	3.3	163
5	MR imaging of regional cardiac function: low-pass filtering of wall thickness curves. <i>Magnetic Resonance in Medicine</i> , 1995 , 34, 498-502	4.4	14
4	Magnetic resonance imaging analysis of left ventricular pressure-volume relations: validation with the conductance method at rest and during dobutamine stress. <i>Magnetic Resonance in Medicine</i> , 1995 , 34, 728-37	4.4	14
3	Cardiovascular MR imaging: pressure-gating using the arterial pressure signal from a conventional ferromagnetic micromanometer-tip catheter. <i>Magnetic Resonance Imaging</i> , 1994 , 12, 531-4	3.3	8
2	Left ventricular measurements with cine and spin-echo MR imaging: a study of reproducibility with variance component analysis. <i>Radiology</i> , 1993 , 187, 261-8	20.5	277
1	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. <i>European Heart Journal Open</i> ,		1