

# Hildo J Lamb

## List of Publications by Year in descending order

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313  
papers

16,061  
citations

15466

65  
h-index

19690

117  
g-index

327  
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327  
docs citations

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times ranked

13415  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of Posterolateral Scar Tissue on Clinical and Echocardiographic Improvement After Cardiac Resynchronization Therapy. <i>Circulation</i> , 2006, 113, 969-976.	1.6	1,115
2	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, 930-936.	0.7	568
3	Short-Term Caloric Restriction Induces Accumulation of Myocardial Triglycerides and Decreases Left Ventricular Diastolic Function in Healthy Subjects. <i>Diabetes</i> , 2007, 56, 2849-2853.	0.3	520
4	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, 1793-1799.	1.2	472
5	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, 2508-2514.	1.2	441
6	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, 183-190.	1.3	406
7	Fatty kidney: emerging role of ectopic lipid in obesity-related renal disease. <i>Lancet Diabetes and Endocrinology</i> , 2014, 2, 417-426.	5.5	355
8	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, 328-335.	1.2	334
9	Left ventricular measurements with cine and spin-echo MR imaging: a study of reproducibility with variance component analysis. <i>Radiology</i> , 1993, 187, 261-268.	3.6	314
10	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, 1398-1401.	0.7	261
11	Altered Myocardial Substrate Metabolism and Decreased Diastolic Function in Nonischemic Human Diabetic Cardiomyopathy. <i>Journal of the American College of Cardiology</i> , 2009, 54, 1524-1532.	1.2	257
12	Noninvasive visualization of the cardiac venous system using multislice computed tomography. <i>Journal of the American College of Cardiology</i> , 2005, 45, 749-753.	1.2	236
13	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, 404-411.	1.2	226
14	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, 1006-1012.	1.2	226
15	Diastolic Dysfunction in Hypertensive Heart Disease Is Associated With Altered Myocardial Metabolism. <i>Circulation</i> , 1999, 99, 2261-2267.	1.6	220
16	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, 145-148.	0.7	215
17	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, 2069-2077.	1.6	210
18	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, 756-765.	0.5	198

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19	Reproducibility of MRI-derived measurements of right ventricular volumes and myocardial mass. <i>Magnetic Resonance Imaging</i> , 1995, 13, 53-63.	1.0	184
20	Myocardial Steatosis and Biventricular Strain and Strain Rate Imaging in Patients With Type 2 Diabetes Mellitus. <i>Circulation</i> , 2010, 122, 2538-2544.	1.6	179
21	Fusion of multislice computed tomography imaging with three-dimensional electroanatomic mapping to guide radiofrequency catheter ablation procedures. <i>Heart Rhythm</i> , 2005, 2, 1076-1081.	0.3	178
22	Feasibility of assessment of coronary stent patency using 16-slice computed tomography. <i>American Journal of Cardiology</i> , 2004, 94, 427-430.	0.7	159
23	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.	3.6	152
24	Functional and Metabolic Evaluation of the Athlete's Heart By Magnetic Resonance Imaging and Dobutamine Stress Magnetic Resonance Spectroscopy. <i>Circulation</i> , 1998, 97, 666-672.	1.6	145
25	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, 1299-1305.	0.7	141
26	Multislice computed tomography versus intracardiac echocardiography to evaluate the pulmonary veins before radiofrequency catheter ablation of atrial fibrillation. <i>Journal of the American College of Cardiology</i> , 2005, 45, 343-350.	1.2	138
27	Feasibility of tissue magnetic resonance imaging. <i>Journal of the American College of Cardiology</i> , 2005, 45, 1109-1116.	1.2	136
28	Detection of Vein Graft Disease Using High-Resolution Magnetic Resonance Angiography. <i>Circulation</i> , 2002, 105, 328-333.	1.6	133
29	Atrial Fibrillation: Multi-Detector Row CT of Pulmonary Vein Anatomy prior to Radiofrequency Catheter Ablation-Initial Experience. <i>Radiology</i> , 2005, 234, 702-709.	3.6	132
30	Exercise MR Imaging in the Assessment of Pulmonary Regurgitation and Biventricular Function in Patients after Tetralogy of Fallot Repair. <i>Radiology</i> , 2002, 223, 204-211.	3.6	129
31	Obesity, Brain Volume, and White Matter Microstructure at MRI: A Cross-sectional UK Biobank Study. <i>Radiology</i> , 2019, 291, 763-771.	3.6	129
32	Assessment of Left Ventricular Dyssynchrony in Patients With Conduction Delay and Idiopathic Dilated Cardiomyopathy. <i>Journal of the American College of Cardiology</i> , 2006, 47, 2042-2048.	1.2	128
33	Metabolic Imaging of Myocardial Triglyceride Content: Reproducibility of <sup>1</sup> H MR Spectroscopy with Respiratory Navigator Gating in Volunteers. <i>Radiology</i> , 2007, 245, 251-257.	3.6	124
34	Noninvasive coronary imaging and assessment of left ventricular function using 16-slice computed tomography. <i>American Journal of Cardiology</i> , 2005, 95, 571-574.	0.7	123
35	Quantitative Assessment of Mitral Regurgitation. <i>Circulation: Cardiovascular Imaging</i> , 2010, 3, 694-700.	1.3	123
36	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, 669-675.	3.5	121

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37	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, 312-317.	0.7	119
38	The ageing male heart: myocardial triglyceride content as independent predictor of diastolic function. <i>European Heart Journal</i> , 2008, 29, 1516-1522.	1.0	114
39	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, 1157-1160.	0.7	109
40	Association Between Diffuse Myocardial Fibrosis by Cardiac Magnetic Resonance Contrast-Enhanced T <sub>1</sub> Mapping and Subclinical Myocardial Dysfunction in Diabetic Patients. <i>Circulation: Cardiovascular Imaging</i> , 2012, 5, 51-59.	1.3	109
41	Effects of Hepatic Triglyceride Content on Myocardial Metabolism in Type 2 Diabetes. <i>Journal of the American College of Cardiology</i> , 2010, 56, 225-233.	1.2	108
42	Body fat distribution, in particular visceral fat, is associated with cardiometabolic risk factors in obese women. <i>PLoS ONE</i> , 2017, 12, e0185403.	1.1	107
43	Assessment of diastolic function by cardiovascular magnetic resonance. <i>American Heart Journal</i> , 2002, 144, 198-205.	1.2	105
44	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, 2702-2708.	1.8	99
45	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.	1.8	97
46	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, 2182-2188.	1.2	95
47	Comprehensive assessment of patients after coronary artery bypass grafting by 16-detector-row computed tomography. <i>American Heart Journal</i> , 2005, 150, 775-781.	1.2	87
48	Cardioprotective Properties of Omentin-1 in Type 2 Diabetes: Evidence from Clinical and In Vitro Studies. <i>PLoS ONE</i> , 2013, 8, e59697.	1.1	87
49	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, 1495-1501.	1.8	86
50	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, 1502-1508.	1.6	84
51	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, 456-460.	1.8	84
52	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.	0.5	82
53	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, 942-949.	0.5	81
54	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, 645-651.	1.6	79

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55	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, 1461-1464.	0.7	78
56	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.	5.4	77
57	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, 480-487.	1.4	76
58	Biventricular response to supine physical exercise in young adults assessed with ultrafast magnetic resonance imaging. <i>American Journal of Cardiology</i> , 2001, 87, 601-605.	0.7	74
59	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, 308-314.	2.3	72
60	Automated segmentation of myocardial scar in late enhancement MRI using combined intensity and spatial information. <i>Magnetic Resonance in Medicine</i> , 2010, 64, 586-594.	1.9	71
61	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, 1572-1576.	1.5	70
62	Which parameters on magnetic resonance imaging determine Q waves on the electrocardiogram?. <i>American Journal of Cardiology</i> , 2005, 95, 925-929.	0.7	68
63	Quantification of myocardial infarct size and transmuralty by contrast-enhanced magnetic resonance imaging in men. <i>American Journal of Cardiology</i> , 2004, 94, 284-288.	0.7	67
64	Cardiac multidetector-row computed tomography in patients with unstable angina. <i>American Journal of Cardiology</i> , 2005, 95, 457-461.	0.7	67
65	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, 711-716.	1.9	67
66	Gastric Motility: Comparison of Assessment with Real-Time MR Imaging or Barostat Measurement—Initial Experience. <i>Radiology</i> , 2002, 224, 592-597.	3.6	66
67	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, 1559-1564.	1.2	66
68	Reproducibility of Human Cardiac <sup>31</sup> P-NMR Spectroscopy. , 1996, 9, 217-227.		65
69	Sex differences in body fat distribution are related to sex differences in serum leptin and adiponectin. <i>Peptides</i> , 2018, 107, 25-31.	1.2	65
70	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-E718.	1.8	63
71	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, 1932-1938.	1.8	63
72	Evaluation of Patients with Previous Coronary Stent Implantation with 64-Section CT. <i>Radiology</i> , 2007, 245, 416-423.	3.6	62

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73	Metabolic Response of Normal Human Myocardium to High-Dose Atropine-Dobutamine Stress Studied by <sup>31</sup> P-MRS. <i>Circulation</i> , 1997, 96, 2969-2977.	1.6	61
74	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, 248-258.	0.3	59
75	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, 1326-1331.	0.7	58
76	Noninvasive Angiography and Assessment of Left Ventricular Function Using Multislice Computed Tomography in Patients With Type 2 Diabetes. <i>Diabetes Care</i> , 2004, 27, 2905-2910.	4.3	56
77	Assessment of the carotid artery by MRI at 3T: A study on reproducibility. <i>Journal of Magnetic Resonance Imaging</i> , 2007, 25, 1035-1043.	1.9	53
78	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.	1.1	52
79	Right Ventricular Involvement in Diabetic Cardiomyopathy. <i>Diabetes Care</i> , 2013, 36, 457-462.	4.3	51
80	Aortic Valve Replacement in Patients with Aortic Valve Stenosis Improves Myocardial Metabolism and Diastolic Function. <i>Radiology</i> , 2001, 219, 637-643.	3.6	50
81	Predictive imaging for thoracic aortic dissection and rupture: moving beyond diameters. <i>European Radiology</i> , 2019, 29, 6396-6404.	2.3	49
82	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, 1147-1151.	1.2	48
83	Feasibility of Diastolic Function Assessment With Cardiac CT. <i>JACC: Cardiovascular Imaging</i> , 2011, 4, 246-256.	2.3	47
84	MR Imaging Evaluation of Cardiovascular Risk in Metabolic Syndrome. <i>Radiology</i> , 2012, 264, 21-37.	3.6	47
85	Exercise and Type 2 Diabetes Mellitus: Changes in Tissue-specific Fat Distribution and Cardiac Function. <i>Radiology</i> , 2013, 269, 434-442.	3.6	47
86	Improved MR Flow Mapping in Coronary Artery Bypass Grafts during Adenosine-induced Stress. <i>Radiology</i> , 2001, 218, 540-547.	3.6	45
87	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, 255-260.	2.2	45
88	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.	2.7	44
89	Diabetic cardiomyopathy in uncomplicated type 2 diabetes is associated with the metabolic syndrome and systemic inflammation. <i>Diabetologia</i> , 2005, 48, 1669-1670.	2.9	43
90	Automated Cardiac Valve Tracking for Flow Quantification with Four-dimensional Flow MRI. <i>Radiology</i> , 2019, 290, 70-78.	3.6	43

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91	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.	2.8	43
92	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, 4638-4643.	1.8	42
93	Noninvasive Evaluation of the Coronary Arteries With Multislice Computed Tomography in Hypertensive Patients. <i>Hypertension</i> , 2005, 45, 227-232.	1.3	42
94	MR Flow Mapping in Coronary Artery Bypass Grafts: A Validation Study with Doppler Flow Measurements. <i>Radiology</i> , 2002, 222, 127-135.	3.6	41
95	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, 2977-2982.	0.8	41
96	Individual contributions of visceral fat and total body fat to subclinical atherosclerosis: The NEO study. <i>Atherosclerosis</i> , 2015, 241, 547-554.	0.4	41
97	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, 513-519.	3.6	40
98	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.	3.3	40
99	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.	2.7	40
100	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.	1.3	40
101	Automated Observer-independent Acquisition of Cardiac Short-Axis MR Images: A Pilot Study. <i>Radiology</i> , 2001, 221, 537-542.	3.6	39
102	Volume tracking cardiac <sup>31</sup> P spectroscopy. <i>Magnetic Resonance in Medicine</i> , 2002, 48, 380-384.	1.9	38
103	Liver Fat Content in Type 2 Diabetes: Relationship With Hepatic Perfusion and Substrate Metabolism. <i>Diabetes</i> , 2010, 59, 2747-2754.	0.3	37
104	Effects of bariatric surgery on pericardial ectopic fat depositions and cardiovascular function. <i>Clinical Endocrinology</i> , 2014, 81, 689-695.	1.2	37
105	Multiparametric MRI in Patients With Nonalcoholic Fatty Liver Disease. <i>Journal of Magnetic Resonance Imaging</i> , 2021, 53, 1623-1631.	1.9	37
106	Assessment of Aortic Pulse Wave Velocity and Cardiac Diastolic Function in Subjects With and Without the Metabolic Syndrome. <i>Diabetes Care</i> , 2008, 31, 1442-1444.	4.3	36
107	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.	1.5	35
108	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, 2576-2580.	4.3	33

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109	Automated left ventricle segmentation in late gadolinium-enhanced MRI for objective myocardial scar assessment. <i>Journal of Magnetic Resonance Imaging</i> , 2015, 42, 390-399.	1.9	33
110	Comparison of Aortic Elasticity in Patients With the Marfan Syndrome With and Without Aortic Root Replacement. <i>American Journal of Cardiology</i> , 2003, 91, 637-640.	0.7	32
111	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.	2.7	32
112	Abdominal visceral and subcutaneous fat increase, insulin resistance and hyperlipidemia in testicular cancer patients treated with cisplatin-based chemotherapy. <i>Acta Oncol</i> , 2014, 53, 351-360.	0.8	32
113	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, 1452-1460.	3.3	31
114	Short-Term Caloric Restriction Normalizes Hypothalamic Neuronal Responsiveness to Glucose Ingestion in Patients With Type 2 Diabetes. <i>Diabetes</i> , 2012, 61, 3255-3259.	0.3	31
115	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, 767-776.	1.6	30
116	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.	1.4	30
117	Metabolic imaging of the human heart: clinical application of magnetic resonance spectroscopy. <i>Heart</i> , 2014, 100, 881-890.	1.2	29
118	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.	2.7	28
119	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, 287-293.	1.9	28
120	Body fat, especially visceral fat, is associated with electrocardiographic measures of sympathetic activation. <i>Obesity</i> , 2014, 22, 1553-1559.	1.5	28
121	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.	3.9	28
122	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, 992-997.	1.9	27
123	Metabolic Imaging of Human Kidney Triglyceride Content: Reproducibility of Proton Magnetic Resonance Spectroscopy. <i>PLoS ONE</i> , 2013, 8, e62209.	1.1	26
124	Visceral adipose tissue is associated with microstructural brain tissue damage. <i>Obesity</i> , 2015, 23, 1092-1096.	1.5	26
125	Caloric restriction lowers endocannabinoid tonus and improves cardiac function in type 2 diabetes. <i>Nutrition and Diabetes</i> , 2018, 8, 6.	1.5	26
126	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.	0.8	25



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127	Clinical application and technical considerations of $T_1$ & $T_2$ (*) mapping in cardiac, liver, and renal imaging. British Journal of Radiology, 2018, 91, 20170825.	1.0	25
128	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. Journal of Magnetic Resonance Imaging, 2020, 51, 1679-1688.	1.9	25
129	Metabolic MRI of myocardial and hepatic triglyceride content in response to nutritional interventions. Current Opinion in Clinical Nutrition and Metabolic Care, 2008, 11, 573-579.	1.3	24
130	Metabolomics Profiling of Visceral Adipose Tissue: Results From MESA and the NEO Study. Journal of the American Heart Association, 2019, 8, e010810.	1.6	24
131	Exercise and Type 2 Diabetes Mellitus: Changes in Tissue-specific Fat Distribution and Cardiac Function. Radiology, 2013, 269, 434-442.	3.6	24
132	Assessment of right ventricular infarction with contrast-enhanced magnetic resonance imaging. Coronary Artery Disease, 2007, 18, 39-43.	0.3	23
133	Metabolomics: a search for biomarkers of visceral fat and liver fat content. Metabolomics, 2019, 15, 139.	1.4	23
134	T1 mapping performance and measurement repeatability: results from the multi-national T1 mapping standardization phantom program (TIMES). Journal of Cardiovascular Magnetic Resonance, 2020, 22, 31.	1.6	23
135	Improved MR Coronary Angiography with Use of a New Rapid Clearance Blood Pool Contrast Agent in Pigs. Radiology, 2003, 227, 802-808.	3.6	22
136	Circulating Long Noncoding RNAs in Personalized Medicine. Journal of the American College of Cardiology, 2016, 68, 2914-2916.	1.2	22
137	Phenotyping diabetic cardiomyopathy in Europeans and South Asians. Cardiovascular Diabetology, 2019, 18, 133.	2.7	22
138	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.	0.5	22
139	Consensus-based Technical Recommendations for Clinical Translation of Renal Phase Contrast MRI. Journal of Magnetic Resonance Imaging, 2022, 55, 323-335.	1.9	22
140	Reproducibility of Aorta Segmentation on 4D Flow MRI in Healthy Volunteers. Journal of Magnetic Resonance Imaging, 2021, 53, 1268-1279.	1.9	22
141	Coronary Magnetic Resonance Angiography: Technical Developments and Clinical Applications. Journal of Cardiovascular Magnetic Resonance, 2003, 5, 365-386.	1.6	21
142	Do risk factors influence the diagnostic accuracy of noninvasive coronary angiography with multislice computed tomography?. Journal of Nuclear Cardiology, 2006, 13, 635-641.	1.4	21
143	Parameter optimization for reproducible cardiac $^1H$ MR spectroscopy at 3 Tesla. Journal of Magnetic Resonance Imaging, 2016, 44, 1151-1158.	1.9	21
144	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. European Radiology, 2018, 28, 4027-4035.	2.3	21

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145	Metabolic imaging of fatty kidney in diabetes: validation and dietary intervention. <i>Nephrology Dialysis Transplantation</i> , 2018, 33, 224-230.	0.4	21
146	Multicenter Consistency Assessment of Valvular Flow Quantification With Automated Valve Tracking in 4D Flow CMR. <i>JACC: Cardiovascular Imaging</i> , 2021, 14, 1354-1366.	2.3	21
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