

Hildo J Lamb

List of Publications by Citations

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297
papers

13,037
citations

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107
g-index

327
ext. papers

14,944
ext. citations

6.8
avg, IF

5.88
L-index

#	Paper	IF	Citations
297	Effect of posterolateral scar tissue on clinical and echocardiographic improvement after cardiac resynchronization therapy. <i>Circulation</i> , 2006 , 113, 969-76	16.7	1003
296	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
295	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
294	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
293	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
292	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
291	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
290	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
289	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
288	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
287	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
286	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
285	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
284	Diastolic dysfunction in hypertensive heart disease is associated with altered myocardial metabolism. <i>Circulation</i> , 1999 , 99, 2261-7	16.7	182
283	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
282	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
281	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

280	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
279	Reproducibility of MRI-derived measurements of right ventricular volumes and myocardial mass. <i>Magnetic Resonance Imaging</i> , 1995 , 13, 53-63	3.3	163
278	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
277	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
276	Feasibility of assessment of coronary stent patency using 16-slice computed tomography. <i>American Journal of Cardiology</i> , 2004 , 94, 427-30	3	143
275	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
274	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
273	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
272	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
271	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
270	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
269	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
268	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
267	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
266	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
265	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
264	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
263	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

262	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
261	Detection of vein graft disease using high-resolution magnetic resonance angiography. <i>Circulation</i> , 2002 , 105, 328-33	16.7	97
260	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	2.0	95
259	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
258	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
257	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
256	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
255	Assessment of diastolic function by cardiovascular magnetic resonance. <i>American Heart Journal</i> , 2002 , 144, 198-205	4.9	86
254	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
253	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
252	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
251	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
250	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
249	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
248	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
247	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
246	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
245	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

244	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
243	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
242	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
241	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
240	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
239	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
238	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
237	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
236	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
235	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
234	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
233	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
232	Cardiac multidetector-row computed tomography in patients with unstable angina. <i>American Journal of Cardiology</i> , 2005 , 95, 457-61	3	56
231	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
230	Reproducibility of human cardiac 31P-NMR spectroscopy. <i>NMR in Biomedicine</i> , 1996 , 9, 217-27	4.4	54
229	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
228	Evaluation of patients with previous coronary stent implantation with 64-section CT. <i>Radiology</i> , 2007 , 245, 416-23	20.5	52
227	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

226	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
225	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
224	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
223	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
222	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
221	Which parameters on magnetic resonance imaging determine Q waves on the electrocardiogram?. <i>American Journal of Cardiology</i> , 2005 , 95, 925-9	3	48
220	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
219	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
218	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
217	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
216	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
215	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
214	Improved MR flow mapping in coronary artery bypass grafts during adenosine-induced stress. <i>Radiology</i> , 2001 , 218, 540-7	20.5	38
213	Right ventricular involvement in diabetic cardiomyopathy. <i>Diabetes Care</i> , 2013 , 36, 457-62	14.6	37
212	MR imaging evaluation of cardiovascular risk in metabolic syndrome. <i>Radiology</i> , 2012 , 264, 21-37	20.5	37
211	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
210	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
209	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

208	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
207	Automated observer-independent acquisition of cardiac short-axis MR images: a pilot study. <i>Radiology</i> , 2001 , 221, 537-42	20.5	35
206	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
205	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
204	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
203	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
202	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
201	Noninvasive evaluation of the coronary arteries with multislice computed tomography in hypertensive patients. <i>Hypertension</i> , 2005 , 45, 227-32	8.5	34
200	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
199	Volume tracking cardiac 31P spectroscopy. <i>Magnetic Resonance in Medicine</i> , 2002 , 48, 380-4	4.4	33
198	Liver fat content in type 2 diabetes: relationship with hepatic perfusion and substrate metabolism. <i>Diabetes</i> , 2010 , 59, 2747-54	0.9	32
197	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
196	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
195	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
194	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
193	Predictive imaging for thoracic aortic dissection and rupture: moving beyond diameters. <i>European Radiology</i> , 2019 , 29, 6396-6404	8	26
192	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
191	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

190	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
189	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
188	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
187	Metabolic imaging of the human heart: clinical application of magnetic resonance spectroscopy. <i>Heart</i> , 2014 , 100, 881-90	5.1	25
186	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
185	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
184	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
183	Metabolic imaging of human kidney triglyceride content: reproducibility of proton magnetic resonance spectroscopy. <i>PLoS ONE</i> , 2013 , 8, e62209	3.7	23
182	Automated Cardiac Valve Tracking for Flow Quantification with Four-dimensional Flow MRI. <i>Radiology</i> , 2019 , 290, 70-78	20.5	23
181	Body fat, especially visceral fat, is associated with electrocardiographic measures of sympathetic activation. <i>Obesity</i> , 2014 , 22, 1553-9	8	22
180	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
179	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
178	Effects of bariatric surgery on pericardial ectopic fat depositions and cardiovascular function. <i>Clinical Endocrinology</i> , 2014 , 81, 689-95	3.4	22
177	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
176	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
175	Assessment of right ventricular infarction with contrast-enhanced magnetic resonance imaging. <i>Coronary Artery Disease</i> , 2007 , 18, 39-43	1.4	21
174	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
173	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

172	Caloric restriction lowers endocannabinoid tonus and improves cardiac function in type 2 diabetes. <i>Nutrition and Diabetes</i> , 2018 , 8, 6	4.7	19
171	Visceral adipose tissue is associated with microstructural brain tissue damage. <i>Obesity</i> , 2015 , 23, 1092-68		19
170	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
169	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
168	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
167	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
166	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
165	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
164	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
163	Multimodality imaging in diabetic heart disease. <i>Current Problems in Cardiology</i> , 2011 , 36, 9-47	17.1	16
162	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
161	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
160	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
159	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
158	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
157	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
156	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
155	Coronary magnetic resonance angiography: technical developments and clinical applications. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2003 , 5, 365-86	6.9	15

154	Metabolic imaging of fatty kidney in diabetes: validation and dietary intervention. <i>Nephrology Dialysis Transplantation</i> , 2018 , 33, 224-230	4.3	14
153	Noninvasive and invasive evaluation of noncompaction cardiomyopathy. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2002 , 4, 353-7	6.9	14
152	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
151	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
150	Multiparametric MRI in Patients With Nonalcoholic Fatty Liver Disease. <i>Journal of Magnetic Resonance Imaging</i> , 2021 , 53, 1623-1631	5.6	14
149	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
148	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
147	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
146	Phenotyping diabetic cardiomyopathy in Europeans and South Asians. <i>Cardiovascular Diabetology</i> , 2019 , 18, 133	8.7	13
145	Cardiovascular molecular MR imaging. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2007 , 34 Suppl 1, S99-104	8.8	13
144	Scar tissue on contrast-enhanced MRI predicts left ventricular remodelling after acute infarction. <i>Heart</i> , 2007 , 93, 375-6	5.1	13
143	Magnetic resonance imaging of coronary arteries, the ischemic cascade, and myocardial infarction. <i>American Heart Journal</i> , 2005 , 149, 200-8	4.9	13
142	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
141	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
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