

David A Bluemke

List of Publications by Citations

Source: <https://exaly.com/author-pdf/6378663/david-a-bluemke-publications-by-citations.pdf>
Version: 2024-04-05

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

773 papers	53,141 citations	110 h-index	203 g-index
868 ext. papers	61,694 ext. citations	7.6 avg, IF	7.3 L-index

#	Paper	IF	Citations
773	Multi-Ethnic Study of Atherosclerosis: objectives and design. <i>American Journal of Epidemiology</i> , 2002 , 156, 871-81	3.8	2381
772	Coronary calcium as a predictor of coronary events in four racial or ethnic groups. <i>New England Journal of Medicine</i> , 2008 , 358, 1336-45	59.2	1988
771	Forecasting the impact of heart failure in the United States: a policy statement from the American Heart Association. <i>Circulation: Heart Failure</i> , 2013 , 6, 606-19	7.6	1613
770	Diagnosis of arrhythmogenic right ventricular cardiomyopathy/dysplasia: proposed modification of the task force criteria. <i>Circulation</i> , 2010 , 121, 1533-41	16.7	1341
769	Diagnosis of arrhythmogenic right ventricular cardiomyopathy/dysplasia: proposed modification of the Task Force Criteria. <i>European Heart Journal</i> , 2010 , 31, 806-14	9.5	889
768	Standardized image interpretation and post processing in cardiovascular magnetic resonance: Society for Cardiovascular Magnetic Resonance (SCMR) board of trustees task force on standardized post processing. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2013 , 15, 35	6.9	749
767	MRI evaluation of the contralateral breast in women with recently diagnosed breast cancer. <i>New England Journal of Medicine</i> , 2007 , 356, 1295-303	59.2	712
766	Infarct tissue heterogeneity by magnetic resonance imaging identifies enhanced cardiac arrhythmia susceptibility in patients with left ventricular dysfunction. <i>Circulation</i> , 2007 , 115, 2006-14	16.7	625
765	Assessment of myocardial fibrosis with cardiovascular magnetic resonance. <i>Journal of the American College of Cardiology</i> , 2011 , 57, 891-903	15.1	619
764	Coronary artery calcification compared with carotid intima-media thickness in the prediction of cardiovascular disease incidence: the Multi-Ethnic Study of Atherosclerosis (MESA). <i>Archives of Internal Medicine</i> , 2008 , 168, 1333-9		541
763	The relationship of left ventricular mass and geometry to incident cardiovascular events: the MESA (Multi-Ethnic Study of Atherosclerosis) study. <i>Journal of the American College of Cardiology</i> , 2008 , 52, 2148-55	15.1	501
762	ACCF/ACR/AHA/NASCI/SCMR 2010 expert consensus document on cardiovascular magnetic resonance: a report of the American College of Cardiology Foundation Task Force on Expert Consensus Documents. <i>Journal of the American College of Cardiology</i> , 2010 , 55, 2614-62	15.1	461
761	Testing of low-risk patients presenting to the emergency department with chest pain: a scientific statement from the American Heart Association. <i>Circulation</i> , 2010 , 122, 1756-76	16.7	450
760	Late gadolinium enhancement by cardiovascular magnetic resonance heralds an adverse prognosis in nonischemic cardiomyopathy. <i>Journal of the American College of Cardiology</i> , 2008 , 51, 2414-21	15.1	447
759	Quantitative assessment of intrinsic regional myocardial deformation by Doppler strain rate echocardiography in humans: validation against three-dimensional tagged magnetic resonance imaging. <i>Circulation</i> , 2002 , 106, 50-6	16.7	430
758	Normal values for cardiovascular magnetic resonance in adults and children. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2015 , 17, 29	6.9	428
757	Diagnostic architectural and dynamic features at breast MR imaging: multicenter study. <i>Radiology</i> , 2006 , 238, 42-53	20.5	402

756	Pulmonary vein anatomy in patients undergoing catheter ablation of atrial fibrillation: lessons learned by use of magnetic resonance imaging. <i>Circulation</i> , 2003 , 107, 2004-10	16.7	399
755	Percent emphysema, airflow obstruction, and impaired left ventricular filling. <i>New England Journal of Medicine</i> , 2010 , 362, 217-27	59.2	396
754	Magnitude and time course of microvascular obstruction and tissue injury after acute myocardial infarction. <i>Circulation</i> , 1998 , 98, 1006-14	16.7	391
753	Noninvasive detection of myocardial fibrosis in arrhythmogenic right ventricular cardiomyopathy using delayed-enhancement magnetic resonance imaging. <i>Journal of the American College of Cardiology</i> , 2005 , 45, 98-103	15.1	386
752	Magnetic resonance imaging of the breast prior to biopsy. <i>JAMA - Journal of the American Medical Association</i> , 2004 , 292, 2735-42	27.4	385
751	Differences in the incidence of congestive heart failure by ethnicity: the multi-ethnic study of atherosclerosis. <i>Archives of Internal Medicine</i> , 2008 , 168, 2138-45		371
750	Arrhythmogenic right ventricular dysplasia: a United States experience. <i>Circulation</i> , 2005 , 112, 3823-32	16.7	367
749	Safety of magnetic resonance imaging in patients with cardiovascular devices: an American Heart Association scientific statement from the Committee on Diagnostic and Interventional Cardiac Catheterization, Council on Clinical Cardiology, and the Council on Cardiovascular Radiology and Intervention, endorsed by the American College of Cardiology Foundation, the North American	16.7	365
748	Accuracy of contrast-enhanced magnetic resonance imaging in predicting improvement of regional myocardial function in patients after acute myocardial infarction. <i>Circulation</i> , 2002 , 106, 1083-9	16.7	359
747	Magnetic resonance assessment of the substrate for inducible ventricular tachycardia in nonischemic cardiomyopathy. <i>Circulation</i> , 2005 , 112, 2821-5	16.7	358
746	Noninvasive coronary artery imaging: magnetic resonance angiography and multidetector computed tomography angiography: a scientific statement from the american heart association committee on cardiovascular imaging and intervention of the council on cardiovascular radiology and intervention, and the councils on clinical cardiology and cardiovascular disease in the young.	16.7	350
745	Cardiovascular function in multi-ethnic study of atherosclerosis: normal values by age, sex, and ethnicity. <i>American Journal of Roentgenology</i> , 2006 , 186, S357-65	5.4	346
744	The association of pericardial fat with incident coronary heart disease: the Multi-Ethnic Study of Atherosclerosis (MESA). <i>American Journal of Clinical Nutrition</i> , 2009 , 90, 499-504	7	322
743	Screening women at high risk for breast cancer with mammography and magnetic resonance imaging. <i>Cancer</i> , 2005 , 103, 1898-905	6.4	307
742	Volume-preserving nonrigid registration of MR breast images using free-form deformation with an incompressibility constraint. <i>IEEE Transactions on Medical Imaging</i> , 2003 , 22, 730-41	11.7	306
741	Arterial wave reflections and incident cardiovascular events and heart failure: MESA (Multiethnic Study of Atherosclerosis). <i>Journal of the American College of Cardiology</i> , 2012 , 60, 2170-7	15.1	303
740	Cancer yield of mammography, MR, and US in high-risk women: prospective multi-institution breast cancer screening study. <i>Radiology</i> , 2007 , 244, 381-8	20.5	299
739	Reduced ascending aortic strain and distensibility: earliest manifestations of vascular aging in humans. <i>Hypertension</i> , 2010 , 55, 319-26	8.5	269

738	Clinical utility and safety of a protocol for noncardiac and cardiac magnetic resonance imaging of patients with permanent pacemakers and implantable-cardioverter defibrillators at 1.5 tesla. <i>Circulation</i> , 2006 , 114, 1277-84	16.7	265
737	Novel metabolic risk factors for incident heart failure and their relationship with obesity: the MESA (Multi-Ethnic Study of Atherosclerosis) study. <i>Journal of the American College of Cardiology</i> , 2008 , 51, 1775-83	15.1	263
736	Adenosine stress 64- and 256-row detector computed tomography angiography and perfusion imaging: a pilot study evaluating the transmural extent of perfusion abnormalities to predict atherosclerosis causing myocardial ischemia. <i>Circulation: Cardiovascular Imaging</i> , 2009 , 2, 174-82	3.9	258
735	Quantification and time course of microvascular obstruction by contrast-enhanced echocardiography and magnetic resonance imaging following acute myocardial infarction and reperfusion. <i>Journal of the American College of Cardiology</i> , 1998 , 32, 1756-64	15.1	256
734	Modern pacemaker and implantable cardioverter/defibrillator systems can be magnetic resonance imaging safe: in vitro and in vivo assessment of safety and function at 1.5 T. <i>Circulation</i> , 2004 , 110, 475-82	16.7	256
733	ACCF/ACR/AHA/NASCI/SCMR 2010 expert consensus document on cardiovascular magnetic resonance: a report of the American College of Cardiology Foundation Task Force on Expert Consensus Documents. <i>Circulation</i> , 2010 , 121, 2462-508	16.7	248
732	Evaluation of neck and body metastases to nodes with ferumoxtran 10-enhanced MR imaging: phase III safety and efficacy study. <i>Radiology</i> , 2003 , 228, 777-88	20.5	248
731	Effect of screening for coronary artery disease using CT angiography on mortality and cardiac events in high-risk patients with diabetes: the FACTOR-64 randomized clinical trial. <i>JAMA - Journal of the American Medical Association</i> , 2014 , 312, 2234-43	27.4	236
730	A prospective evaluation of a protocol for magnetic resonance imaging of patients with implanted cardiac devices. <i>Annals of Internal Medicine</i> , 2011 , 155, 415-24	8	233
729	Diffusion-weighted imaging improves the diagnostic accuracy of conventional 3.0-T breast MR imaging. <i>Radiology</i> , 2010 , 256, 64-73	20.5	226
728	Cardiovascular Event Prediction by Machine Learning: The Multi-Ethnic Study of Atherosclerosis. <i>Circulation Research</i> , 2017 , 121, 1092-1101	15.7	225
727	Microvascular obstruction and left ventricular remodeling early after acute myocardial infarction. <i>Circulation</i> , 2000 , 101, 2734-41	16.7	223
726	Traditional cardiovascular risk factors in relation to left ventricular mass, volume, and systolic function by cardiac magnetic resonance imaging: the Multiethnic Study of Atherosclerosis. <i>Journal of the American College of Cardiology</i> , 2006 , 48, 2285-92	15.1	222
725	T1 Mapping in cardiomyopathy at cardiac MR: comparison with endomyocardial biopsy. <i>Radiology</i> , 2012 , 265, 724-32	20.5	218
724	Evaluation of age-related interstitial myocardial fibrosis with cardiac magnetic resonance contrast-enhanced T1 mapping: MESA (Multi-Ethnic Study of Atherosclerosis). <i>Journal of the American College of Cardiology</i> , 2013 , 62, 1280-1287	15.1	216
723	The impact of obesity on the left ventricle: the Multi-Ethnic Study of Atherosclerosis (MESA). <i>JACC: Cardiovascular Imaging</i> , 2010 , 3, 266-74	8.4	216
722	Fast determination of regional myocardial strain fields from tagged cardiac images using harmonic phase MRI. <i>Circulation</i> , 2000 , 101, 981-8	16.7	210
721	Quantification of myocardial perfusion using dynamic 64-detector computed tomography. <i>Investigative Radiology</i> , 2007 , 42, 815-22	10.1	208

720	Age-related left ventricular remodeling and associated risk for cardiovascular outcomes: the Multi-Ethnic Study of Atherosclerosis. <i>Circulation: Cardiovascular Imaging</i> , 2009 , 2, 191-8	3.9	207
719	Sex and race differences in right ventricular structure and function: the multi-ethnic study of atherosclerosis-right ventricle study. <i>Circulation</i> , 2011 , 123, 2542-51	16.7	207
718	Age-related changes in aortic arch geometry: relationship with proximal aortic function and left ventricular mass and remodeling. <i>Journal of the American College of Cardiology</i> , 2011 , 58, 1262-70	15.1	203
717	Long-term efficacy of catheter ablation of ventricular tachycardia in patients with arrhythmogenic right ventricular dysplasia/cardiomyopathy. <i>Journal of the American College of Cardiology</i> , 2007 , 50, 432-40	15.1	203
716	Efficacy and safety of MR imaging with liver-specific contrast agent: U.S. multicenter phase III study. <i>Radiology</i> , 2005 , 237, 89-98	20.5	200
715	The Cardiac Atlas Project--an imaging database for computational modeling and statistical atlases of the heart. <i>Bioinformatics</i> , 2011 , 27, 2288-95	7.2	198
714	Initial experience in the use of integrated electroanatomic mapping with three-dimensional MR/CT images to guide catheter ablation of atrial fibrillation. <i>Journal of Cardiovascular Electrophysiology</i> , 2006 , 17, 459-66	2.7	198
713	Clinical features of arrhythmogenic right ventricular dysplasia/cardiomyopathy associated with mutations in plakophilin-2. <i>Circulation</i> , 2006 , 113, 1641-9	16.7	194
712	Nephrogenic systemic fibrosis: incidence, associations, and effect of risk factor assessment--report of 33 cases. <i>Radiology</i> , 2009 , 250, 371-7	20.5	193
711	DSG2 mutations contribute to arrhythmogenic right ventricular dysplasia/cardiomyopathy. <i>American Journal of Human Genetics</i> , 2006 , 79, 136-42	11	190
710	LV mass assessed by echocardiography and CMR, cardiovascular outcomes, and medical practice. <i>JACC: Cardiovascular Imaging</i> , 2012 , 5, 837-48	8.4	189
709	The role of functional MR imaging in the assessment of tumor response after chemoembolization in patients with hepatocellular carcinoma. <i>Journal of Vascular and Interventional Radiology</i> , 2006 , 17, 505-12	2.4	175
708	Standardized image interpretation and post-processing in cardiovascular magnetic resonance - 2020 update : Society for Cardiovascular Magnetic Resonance (SCMR): Board of Trustees Task Force on Standardized Post-Processing. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2020 , 22, 19	6.9	173
707	Cardiac magnetic resonance assessment of dyssynchrony and myocardial scar predicts function class improvement following cardiac resynchronization therapy. <i>JACC: Cardiovascular Imaging</i> , 2008 , 1, 561-8	8.4	173
706	Misdiagnosis of arrhythmogenic right ventricular dysplasia/cardiomyopathy. <i>Journal of Cardiovascular Electrophysiology</i> , 2004 , 15, 300-6	2.7	169
705	Comprehensive desmosome mutation analysis in north americans with arrhythmogenic right ventricular dysplasia/cardiomyopathy. <i>Circulation: Cardiovascular Genetics</i> , 2009 , 2, 428-35		166
704	Unresectable hepatocellular carcinoma: serial early vascular and cellular changes after transarterial chemoembolization as detected with MR imaging. <i>Radiology</i> , 2009 , 250, 466-73	20.5	164
703	Arrhythmogenic right ventricular cardiomyopathy/dysplasia clinical presentation and diagnostic evaluation: results from the North American Multidisciplinary Study. <i>Heart Rhythm</i> , 2009 , 6, 984-92	6.7	158

702	Relationship of cigarette smoking with inflammation and subclinical vascular disease: the Multi-Ethnic Study of Atherosclerosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015 , 35, 1002-104	8.4	157
701	3.0-T MR imaging of the abdomen: comparison with 1.5 T. <i>Radiographics</i> , 2008 , 28, 1983-98	5.4	157
700	MR Imaging of arrhythmogenic right ventricular cardiomyopathy: morphologic findings and interobserver reliability. <i>Cardiology</i> , 2003 , 99, 153-62	1.6	155
699	Proton magnetic resonance spectroscopic imaging of human breast cancer: a preliminary study. <i>Journal of Magnetic Resonance Imaging</i> , 2004 , 19, 68-75	5.6	153
698	Feasibility of real-time magnetic resonance imaging for catheter guidance in electrophysiology studies. <i>Circulation</i> , 2008 , 118, 223-9	16.7	150
697	Role of diffusion-weighted imaging in estimating tumor necrosis after chemoembolization of hepatocellular carcinoma. <i>American Journal of Roentgenology</i> , 2003 , 181, 708-10	5.4	149
696	Magnetic resonance imaging of arrhythmogenic right ventricular dysplasia: sensitivity, specificity, and observer variability of fat detection versus functional analysis of the right ventricle. <i>Journal of the American College of Cardiology</i> , 2006 , 48, 2277-84	15.1	146
695	Myocardial tissue tagging with cardiovascular magnetic resonance. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2009 , 11, 55	6.9	144
694	Musculoskeletal tumors: how to use anatomic, functional, and metabolic MR techniques. <i>Radiology</i> , 2012 , 265, 340-56	20.5	144
693	F-Fluorodeoxyglucose-Positron Emission Tomography As an Imaging Biomarker in a Prospective, Longitudinal Cohort of Patients With Large Vessel Vasculitis. <i>Arthritis and Rheumatology</i> , 2018 , 70, 439-449	8.5	143
692	Imaging in population science: cardiovascular magnetic resonance in 100,000 participants of UK Biobank - rationale, challenges and approaches. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2013 , 15, 46	6.9	138
691	Society for Cardiovascular Magnetic Resonance guidelines for reporting cardiovascular magnetic resonance examinations. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2009 , 11, 5	6.9	138
690	Elevated tissue sodium concentration in malignant breast lesions detected with non-invasive ²³ Na MRI. <i>Breast Cancer Research and Treatment</i> , 2007 , 106, 151-60	4.4	137
689	Patterns of enhancement on breast MR images: interpretation and imaging pitfalls. <i>Radiographics</i> , 2006 , 26, 1719-34; quiz 1719	5.4	137
688	Myocardial T1 and extracellular volume fraction mapping at 3 tesla. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2011 , 13, 75	6.9	131
687	T1 mapping of the myocardium: intra-individual assessment of the effect of field strength, cardiac cycle and variation by myocardial region. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2012 , 14, 27	6.9	128
686	Trabeculated (noncompacted) and compact myocardium in adults: the multi-ethnic study of atherosclerosis. <i>Circulation: Cardiovascular Imaging</i> , 2012 , 5, 357-66	3.9	127
685	MRI detection of distinct incidental cancer in women with primary breast cancer studied in IBMC 6883. <i>Journal of Surgical Oncology</i> , 2005 , 92, 32-8	2.8	127

684	Magnetic resonance imaging findings in patients meeting task force criteria for arrhythmogenic right ventricular dysplasia. <i>Journal of Cardiovascular Electrophysiology</i> , 2003 , 14, 476-82	2.7	126
683	Abdominal Imaging with Contrast-enhanced Photon-counting CT: First Human Experience. <i>Radiology</i> , 2016 , 279, 239-45	20.5	125
682	Normal reference values for the adult right ventricle by magnetic resonance imaging. <i>American Journal of Cardiology</i> , 2006 , 98, 1660-4	3	124
681	The relationship of left ventricular trabeculation to ventricular function and structure over a 9.5-year follow-up: the MESA study. <i>Journal of the American College of Cardiology</i> , 2014 , 64, 1971-80	15.1	123
680	Positive remodeling of the coronary arteries detected by magnetic resonance imaging in an asymptomatic population: MESA (Multi-Ethnic Study of Atherosclerosis). <i>Journal of the American College of Cardiology</i> , 2009 , 53, 1708-15	15.1	121
679	Delayed enhancement MR imaging: utility in myocardial assessment. <i>Radiographics</i> , 2006 , 26, 795-810	5.4	120
678	Sex hormones are associated with right ventricular structure and function: The MESA-right ventricle study. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2011 , 183, 659-67	10.2	116
677	Vascular malformations in the extremities: emphasis on MR imaging features that guide treatment options. <i>Skeletal Radiology</i> , 2006 , 35, 127-37	2.7	115
676	Association of CMR-measured LA function with heart failure development: results from the MESA study. <i>JACC: Cardiovascular Imaging</i> , 2014 , 7, 570-9	8.4	114
675	Retinal arteriolar narrowing and left ventricular remodeling: the multi-ethnic study of atherosclerosis. <i>Journal of the American College of Cardiology</i> , 2007 , 50, 48-55	15.1	114
674	Left Ventricular Concentric Remodeling Is Associated With Decreased Global and Regional Systolic Function. <i>Circulation</i> , 2005 , 112, 984-991	16.7	114
673	Cardiac remodeling at the population level--risk factors, screening, and outcomes. <i>Nature Reviews Cardiology</i> , 2011 , 8, 673-85	14.8	113
672	Coronary artery plaque characteristics and treatment with biologic therapy in severe psoriasis: results from a prospective observational study. <i>Cardiovascular Research</i> , 2019 , 115, 721-728	9.9	112
671	2013 ACCF/ACR/ASE/ASNC/SCCT/SCMR appropriate utilization of cardiovascular imaging in heart failure: a joint report of the American College of Radiology Appropriateness Criteria Committee and the American College of Cardiology Foundation Appropriate Use Criteria Task Force. <i>Journal of the American College of Cardiology</i> , 2013 , 61, 2267-81	15.1	112
670	Right ventricular structure is associated with the risk of heart failure and cardiovascular death: the Multi-Ethnic Study of Atherosclerosis (MESA)--right ventricle study. <i>Circulation</i> , 2012 , 126, 1681-8	16.7	112
669	Myocardial delayed enhancement in pulmonary hypertension: pulmonary hemodynamics, right ventricular function, and remodeling. <i>American Journal of Roentgenology</i> , 2011 , 196, 87-94	5.4	112
668	Incidence and predictors of pulmonary vein stenosis following catheter ablation of atrial fibrillation using the anatomic pulmonary vein ablation approach: results from paired magnetic resonance imaging. <i>Journal of Cardiovascular Electrophysiology</i> , 2005 , 16, 845-52	2.7	112
667	Functional MR imaging assessment of tumor response after 90Y microsphere treatment in patients with unresectable hepatocellular carcinoma. <i>Journal of Vascular and Interventional Radiology</i> , 2007 , 18, 49-56	2.4	111

666	Mutation-positive arrhythmogenic right ventricular dysplasia/cardiomyopathy: the triangle of dysplasia displaced. <i>Journal of Cardiovascular Electrophysiology</i> , 2013 , 24, 1311-20	2.7	110
665	Prognostic value of myocardial circumferential strain for incident heart failure and cardiovascular events in asymptomatic individuals: the Multi-Ethnic Study of Atherosclerosis. <i>European Heart Journal</i> , 2013 , 34, 2354-61	9.5	110
664	Relationship of temporal resolution to diagnostic performance for dynamic contrast enhanced MRI of the breast. <i>Journal of Magnetic Resonance Imaging</i> , 2009 , 30, 999-1004	5.6	110
663	Comparison of novel echocardiographic parameters of right ventricular function with ejection fraction by cardiac magnetic resonance. <i>Journal of the American Society of Echocardiography</i> , 2007 , 20, 1058-64	5.8	110
662	Regional diastolic dysfunction in individuals with left ventricular hypertrophy measured by tagged magnetic resonance imaging--the Multi-Ethnic Study of Atherosclerosis (MESA). <i>American Heart Journal</i> , 2006 , 151, 109-14	4.9	110
661	Left ventricular concentric remodeling is associated with decreased global and regional systolic function: the Multi-Ethnic Study of Atherosclerosis. <i>Circulation</i> , 2005 , 112, 984-91	16.7	110
660	Role of cardiovascular magnetic resonance imaging in arrhythmogenic right ventricular dysplasia. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2008 , 10, 32	6.9	109
659	Quantitative assessment of regional myocardial function with MR-tagging in a multi-center study: interobserver and intraobserver agreement of fast strain analysis with Harmonic Phase (HARP) MRI. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2005 , 7, 783-91	6.9	108
658	Interstitial myocardial fibrosis assessed as extracellular volume fraction with low-radiation-dose cardiac CT. <i>Radiology</i> , 2012 , 264, 876-83	20.5	106
657	The relationship between vascular wall shear stress and flow-mediated dilation: endothelial function assessed by phase-contrast magnetic resonance angiography. <i>Journal of the American College of Cardiology</i> , 2001 , 38, 1859-65	15.1	106
656	Quantification of LV function and mass by cardiovascular magnetic resonance: multi-center variability and consensus contours. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2015 , 17, 63	6.9	105
655	Penetrance of mutations in plakophilin-2 among families with arrhythmogenic right ventricular dysplasia/cardiomyopathy. <i>Journal of the American College of Cardiology</i> , 2006 , 48, 1416-24	15.1	105
654	Added cancer yield of MRI in screening the contralateral breast of women recently diagnosed with breast cancer: results from the International Breast Magnetic Resonance Consortium (IBMC) trial. <i>Journal of Surgical Oncology</i> , 2005 , 92, 9-15; discussion 15-6	2.8	105
653	The diagnosis of hypertrophic cardiomyopathy by cardiovascular magnetic resonance. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2012 , 14, 17	6.9	104
652	Risk factor associations with the presence of a lipid core in carotid plaque of asymptomatic individuals using high-resolution MRI: the multi-ethnic study of atherosclerosis (MESA). <i>Stroke</i> , 2008 , 39, 329-35	6.7	104
651	Hypertension and smoking are associated with reduced regional left ventricular function in asymptomatic individuals the Multi-Ethnic Study of Atherosclerosis. <i>Journal of the American College of Cardiology</i> , 2006 , 47, 1150-8	15.1	103
650	Proximal aortic distensibility is an independent predictor of all-cause mortality and incident CV events: the MESA study. <i>Journal of the American College of Cardiology</i> , 2014 , 64, 2619-2629	15.1	102
649	Dynamic contrast-enhanced MRI of the breast: quantitative method for kinetic curve type assessment. <i>American Journal of Roentgenology</i> , 2009 , 193, W295-300	5.4	102

648	T1 mapping of the gadolinium-enhanced myocardium: adjustment for factors affecting interpatient comparison. <i>Magnetic Resonance in Medicine</i> , 2011 , 65, 1407-15	4.4	101
647	Relation of aortic wall thickness and distensibility to cardiovascular risk factors (from the Multi-Ethnic Study of Atherosclerosis [MESA]). <i>American Journal of Cardiology</i> , 2008 , 102, 491-6	3	100
646	Photon-counting CT for simultaneous imaging of multiple contrast agents in the abdomen: An in vivo study. <i>Medical Physics</i> , 2017 , 44, 5120-5127	4.4	99
645	Anthracycline-Associated T1 Mapping Characteristics Are Elevated Independent of the Presence of Cardiovascular Comorbidities in Cancer Survivors. <i>Circulation: Cardiovascular Imaging</i> , 2016 , 9,	3.9	97
644	Incremental value of cardiac magnetic resonance imaging in arrhythmic risk stratification of arrhythmogenic right ventricular dysplasia/cardiomyopathy-associated desmosomal mutation carriers. <i>Journal of the American College of Cardiology</i> , 2013 , 62, 1761-9	15.1	96
643	Using MRI to assess aortic wall thickness in the multiethnic study of atherosclerosis: distribution by race, sex, and age. <i>American Journal of Roentgenology</i> , 2004 , 182, 593-7	5.4	96
642	Pulmonary Microvascular Blood Flow in Mild Chronic Obstructive Pulmonary Disease and Emphysema. The MESA COPD Study. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2015 , 192, 570-80	10.2	95
641	Role of magnetic resonance imaging in arrhythmogenic right ventricular dysplasia: insights from the North American arrhythmogenic right ventricular dysplasia (ARVD/C) study. <i>American Heart Journal</i> , 2008 , 155, 147-53	4.9	94
640	Functional MRI evaluation of tumor response in patients with neuroendocrine hepatic metastasis treated with transcatheter arterial chemoembolization. <i>American Journal of Roentgenology</i> , 2008 , 190, 67-73	5.4	94
639	Quantitative assessment of artifacts on cardiac magnetic resonance imaging of patients with pacemakers and implantable cardioverter-defibrillators. <i>Circulation: Cardiovascular Imaging</i> , 2011 , 4, 662-70	3.9	93
638	Endothelial microparticles in mild chronic obstructive pulmonary disease and emphysema. The Multi-Ethnic Study of Atherosclerosis Chronic Obstructive Pulmonary Disease study. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2013 , 188, 60-8	10.2	92
637	Interpretation of Emergency Department radiographs: a comparison of emergency medicine physicians with radiologists, residents with faculty, and film with digital display. <i>American Journal of Roentgenology</i> , 2000 , 175, 1233-8	5.4	92
636	Diagnostic and prognostic utility of electrocardiography for left ventricular hypertrophy defined by magnetic resonance imaging in relationship to ethnicity: the Multi-Ethnic Study of Atherosclerosis (MESA). <i>American Heart Journal</i> , 2010 , 159, 652-8	4.9	91
635	Right and left ventricular myocardial perfusion reserves correlate with right ventricular function and pulmonary hemodynamics in patients with pulmonary arterial hypertension. <i>Radiology</i> , 2011 , 258, 119-27	20.5	91
634	Delayed contrast-enhanced MRI of the aortic wall in Takayasu's arteritis: initial experience. <i>American Journal of Roentgenology</i> , 2005 , 184, 1427-31	5.4	91
633	National Institutes of Health Perspective on Reports of Gadolinium Deposition in the Brain. <i>Journal of the American College of Radiology</i> , 2016 , 13, 237-41	3.5	90
632	Arrhythmogenic right ventricular cardiomyopathy (ARVC): cardiovascular magnetic resonance update. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2014 , 16, 50	6.9	90
631	Myocardial T1 mapping with MRI: comparison of look-locker and MOLLI sequences. <i>Journal of Magnetic Resonance Imaging</i> , 2011 , 34, 1367-73	5.6	90

630	Obesity and right ventricular structure and function: the MESA-Right Ventricle Study. <i>Chest</i> , 2012 , 141, 388-395	5.3	90
629	T1 mapping of the myocardium: intra-individual assessment of post-contrast T1 time evolution and extracellular volume fraction at 3T for Gd-DTPA and Gd-BOPTA. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2012 , 14, 26	6.9	88
628	Exposure to traffic and left ventricular mass and function: the Multi-Ethnic Study of Atherosclerosis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2009 , 179, 827-34	10.2	88
627	Normal left ventricular myocardial thickness for middle-aged and older subjects with steady-state free precession cardiac magnetic resonance: the multi-ethnic study of atherosclerosis. <i>Circulation: Cardiovascular Imaging</i> , 2012 , 5, 500-8	3.9	88
626	Left ventricular structure and function in patients with rheumatoid arthritis, as assessed by cardiac magnetic resonance imaging. <i>Arthritis and Rheumatism</i> , 2010 , 62, 940-51		86
625	Arterial stiffness is associated with regional ventricular systolic and diastolic dysfunction: the Multi-Ethnic Study of Atherosclerosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2008 , 28, 194-201	9.4	85
624	Quantitative ischemia detection during cardiac magnetic resonance stress testing by use of FastHARP. <i>Circulation</i> , 2003 , 107, 2025-30	16.7	84
623	Myofiber Architecture of the Human Atria as Revealed by Submillimeter Diffusion Tensor Imaging. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2016 , 9, e004133	6.4	84
622	Carotid artery plaque morphology and composition in relation to incident cardiovascular events: the Multi-Ethnic Study of Atherosclerosis (MESA). <i>Radiology</i> , 2014 , 271, 381-9	20.5	83
621	Association of small artery elasticity with incident cardiovascular disease in older adults: the multi-ethnic study of atherosclerosis. <i>American Journal of Epidemiology</i> , 2011 , 174, 528-36	3.8	83
620	3-T dynamic contrast-enhanced MRI of the breast: pharmacokinetic parameters versus conventional kinetic curve analysis. <i>American Journal of Roentgenology</i> , 2011 , 197, 1498-505	5.4	83
619	Magnetic resonance and computed tomography imaging of arrhythmogenic right ventricular dysplasia. <i>Journal of Magnetic Resonance Imaging</i> , 2004 , 19, 848-58	5.6	83
618	Left ventricular papillary muscle mass: relationship to left ventricular mass and volumes by magnetic resonance imaging. <i>Journal of Computer Assisted Tomography</i> , 2006 , 30, 426-32	2.2	82
617	Subclinical atherosclerosis and incipient regional myocardial dysfunction in asymptomatic individuals: the Multi-Ethnic Study of Atherosclerosis (MESA). <i>Journal of the American College of Cardiology</i> , 2006 , 47, 2420-8	15.1	81
616	Why is flow-mediated dilation dependent on arterial size? Assessment of the shear stimulus using phase-contrast magnetic resonance imaging. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2005 , 288, H822-8	5.2	79
615	Excessive left ventricular trabeculation does not promote cardiac dysfunction in asymptomatic middle aged and older individuals with preserved cardiac function: an analysis from the Multi-Ethnic Study of Atherosclerosis. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2015 , 17,	6.9	78
614	Reproducibility of functional aortic analysis using MRI: the multi-ethnic study of atherosclerosis. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2015 , 17,	6.9	78
613	Quantification of the relationship between two cardiac magnetic resonance techniques: fast gradient echo and steady-state free precession for determination of left atrial volumes. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2015 , 17,	6.9	78

612	Native T1 is predictive of abnormal myocardial strain in hypertrophic cardiomyopathy. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2015 , 17,	6.9	78
611	Higher Estradiol and Lower Dehydroepiandrosterone-Sulfate Levels Are Associated with Pulmonary Arterial Hypertension in Men. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2016 , 193, 1168-75	19.2	78
610	Diffuse myocardial fibrosis evaluation using cardiac magnetic resonance T1 mapping: sample size considerations for clinical trials. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2012 , 14, 90	6.9	78
609	Advanced cardiovascular imaging: from patients to populations. <i>Journal of Translational Medicine</i> , 2012 , 10,	8.5	78
608	Coronary calcium coverage score: determination, correlates, and predictive accuracy in the Multi-Ethnic Study of Atherosclerosis. <i>Radiology</i> , 2008 , 247, 669-75	20.5	78
607	Combined dynamic contrast enhanced breast MR and proton spectroscopic imaging: a feasibility study. <i>Journal of Magnetic Resonance Imaging</i> , 2005 , 21, 23-8	5.6	78
606	Abnormal Myocardial Function Is Related to Myocardial Steatosis and Diffuse Myocardial Fibrosis in HIV-Infected Adults. <i>Journal of Infectious Diseases</i> , 2015 , 212, 1544-51	7	77
605	Left ventricular mass and ventricular remodeling among Hispanic subgroups compared with non-Hispanic blacks and whites: MESA (Multi-ethnic Study of Atherosclerosis). <i>Journal of the American College of Cardiology</i> , 2010 , 55, 234-42	15.1	75
604	Cardiovascular imaging for assessing cardiovascular risk in asymptomatic men versus women: the multi-ethnic study of atherosclerosis (MESA). <i>Circulation: Cardiovascular Imaging</i> , 2011 , 4, 8-15	3.9	75
603	Local tumor recurrence following hepatic cryoablation: radiologic-histopathologic correlation in a rabbit model. <i>Radiology</i> , 2000 , 217, 477-86	20.5	75
602	Coronary Plaque Characterization in Psoriasis Reveals High-Risk Features That Improve After Treatment in a Prospective Observational Study. <i>Circulation</i> , 2017 , 136, 263-276	16.7	74
601	Evaluation for Myocarditis in Competitive Student Athletes Recovering From Coronavirus Disease 2019 With Cardiac Magnetic Resonance Imaging. <i>JAMA Cardiology</i> , 2021 , 6, 945-950	16.2	74
600	Prevalence and Correlates of Myocardial Scar in a US Cohort. <i>JAMA - Journal of the American Medical Association</i> , 2015 , 314, 1945-54	27.4	73
599	Structural and functional vascular alterations and incident hypertension in normotensive adults: the Multi-Ethnic Study of Atherosclerosis. <i>American Journal of Epidemiology</i> , 2010 , 171, 63-71	3.8	73
598	Age, sex, and hypertension-related remodeling influences left ventricular torsion assessed by tagged cardiac magnetic resonance in asymptomatic individuals: the multi-ethnic study of atherosclerosis. <i>Circulation</i> , 2012 , 126, 2481-90	16.7	73
597	Distinguishing stress fractures from pathologic fractures: a multimodality approach. <i>Skeletal Radiology</i> , 2005 , 34, 245-59	2.7	73
596	Association of Biologic Therapy With Coronary Inflammation in Patients With Psoriasis as Assessed by Perivascular Fat Attenuation Index. <i>JAMA Cardiology</i> , 2019 , 4, 885-891	16.2	72
595	MR imaging of mediastinal lymph nodes: evaluation using a superparamagnetic contrast agent. <i>Journal of Magnetic Resonance Imaging</i> , 2000 , 12, 899-904	5.6	72

594	Resting heart rate as predictor for left ventricular dysfunction and heart failure: MESA (Multi-Ethnic Study of Atherosclerosis). <i>Journal of the American College of Cardiology</i> , 2014 , 63, 1182-1189	15.1	71
593	Association of resting heart rate with carotid and aortic arterial stiffness: multi-ethnic study of atherosclerosis. <i>Hypertension</i> , 2013 , 62, 477-84	8.5	71
592	GlycA Is a Novel Biomarker of Inflammation and Subclinical Cardiovascular Disease in Psoriasis. <i>Circulation Research</i> , 2016 , 119, 1242-1253	15.7	71
591	Regional myocardial function: advances in MR imaging and analysis. <i>Radiographics</i> , 2003 , 23 Spec No, S127-40	5.4	70
590	ΩNet (Omega-Net): Fully automatic, multi-view cardiac MR detection, orientation, and segmentation with deep neural networks. <i>Medical Image Analysis</i> , 2018 , 48, 95-106	15.4	70
589	Yield of serial evaluation in at-risk family members of patients with ARVD/C. <i>Journal of the American College of Cardiology</i> , 2014 , 64, 293-301	15.1	69
588	Sequential changes after radiofrequency ablation and cryoablation of renal neoplasms: role of CT and MR imaging. <i>Radiographics</i> , 2007 , 27, 343-55	5.4	69
587	Benign and malignant breast lesions: diagnosis with multiparametric MR imaging. <i>Radiology</i> , 2003 , 229, 225-32	20.5	69
586	Effect of Long-Term Metformin and Lifestyle in the Diabetes Prevention Program and Its Outcome Study on Coronary Artery Calcium. <i>Circulation</i> , 2017 , 136, 52-64	16.7	68
585	Imaging techniques for cardiac strain and deformation: comparison of echocardiography, cardiac magnetic resonance and cardiac computed tomography. <i>Expert Review of Cardiovascular Therapy</i> , 2013 , 11, 221-31	2.5	67
584	Interstitial fibrosis, left ventricular remodeling, and myocardial mechanical behavior in a population-based multiethnic cohort: the Multi-Ethnic Study of Atherosclerosis (MESA) study. <i>Circulation: Cardiovascular Imaging</i> , 2014 , 7, 292-302	3.9	67
583	Impaired left ventricular filling in COPD and emphysema: is it the heart or the lungs? The Multi-Ethnic Study of Atherosclerosis COPD Study. <i>Chest</i> , 2013 , 144, 1143-1151	5.3	67
582	Morphologic variants of familial arrhythmogenic right ventricular dysplasia/cardiomyopathy a genetics-magnetic resonance imaging correlation study. <i>Journal of the American College of Cardiology</i> , 2009 , 53, 1289-99	15.1	67
581	Detection of hepatic lesions in candidates for surgery: comparison of ferumoxides-enhanced MR imaging and dual-phase helical CT. <i>American Journal of Roentgenology</i> , 2000 , 175, 1653-8	5.4	67
580	Photon-Counting Computed Tomography for Vascular Imaging of the Head and Neck: First In Vivo Human Results. <i>Investigative Radiology</i> , 2018 , 53, 135-142	10.1	66
579	Cardiac Magnetic Resonance-Measured Left Atrial Volume and Function and Incident Atrial Fibrillation: Results From MESA (Multi-Ethnic Study of Atherosclerosis). <i>Circulation: Cardiovascular Imaging</i> , 2016 , 9,	3.9	66
578	Modified Look-Locker T1 evaluation using Bloch simulations: human and phantom validation. <i>Magnetic Resonance in Medicine</i> , 2013 , 69, 329-36	4.4	66
577	Cardiac magnetic resonance T1 mapping of left atrial myocardium. <i>Heart Rhythm</i> , 2013 , 10, 1325-31	6.7	66

576	Relation between Gd-DTPA contrast enhancement and regional inotropic response in the periphery and center of myocardial infarction. <i>Circulation</i> , 2001 , 104, 998-1004	16.7	66
575	Imaging findings in a fatal case of pandemic swine-origin influenza A (H1N1). <i>American Journal of Roentgenology</i> , 2009 , 193, 1500-3	5.4	65
574	N-terminal pro-B-type natriuretic peptide, left ventricular mass, and incident heart failure: Multi-Ethnic Study of Atherosclerosis. <i>Circulation: Heart Failure</i> , 2012 , 5, 727-34	7.6	64
573	Surgically staged focal liver lesions: accuracy and reproducibility of dual-phase helical CT for detection and characterization. <i>Radiology</i> , 2003 , 227, 752-7	20.5	64
572	Cor pulmonale parvus in chronic obstructive pulmonary disease and emphysema: the MESA COPD study. <i>Journal of the American College of Cardiology</i> , 2014 , 64, 2000-9	15.1	63
571	Myocardial T1 mapping: techniques and potential applications. <i>Radiographics</i> , 2014 , 34, 377-95	5.4	63
570	Pulmonary hyperinflation and left ventricular mass: the Multi-Ethnic Study of Atherosclerosis COPD Study. <i>Circulation</i> , 2013 , 127, 1503-11, 1511e1-6	16.7	63
569	Pulmonary arterial hypertension: MR imaging-derived first-pass bolus kinetic parameters are biomarkers for pulmonary hemodynamics, cardiac function, and ventricular remodeling. <i>Radiology</i> , 2012 , 263, 678-87	20.5	63
568	Utility of tissue Doppler and strain echocardiography in arrhythmogenic right ventricular dysplasia/cardiomyopathy. <i>American Journal of Cardiology</i> , 2007 , 100, 507-12	3	63
567	Genetics of coronary artery calcification among African Americans, a meta-analysis. <i>BMC Medical Genetics</i> , 2013 , 14, 75	2.1	62
566	Myocardial structure, function, and scar in patients with type 1 diabetes mellitus. <i>Circulation</i> , 2011 , 124, 1737-46	16.7	62
565	Cardiac valve assessment with MR imaging and 64-section multi-detector row CT. <i>Radiographics</i> , 2006 , 26, 1769-84	5.4	62
564	Association of Aortic Stiffness With Left Ventricular Remodeling and Reduced Left Ventricular Function Measured by Magnetic Resonance Imaging: The Multi-Ethnic Study of Atherosclerosis. <i>Circulation: Cardiovascular Imaging</i> , 2016 , 9,	3.9	61
563	Association between cardiovascular autonomic neuropathy and left ventricular dysfunction: DCCT/EDIC study (Diabetes Control and Complications Trial/Epidemiology of Diabetes Interventions and Complications). <i>Journal of the American College of Cardiology</i> , 2013 , 61, 447-454	15.1	61
562	Modified look-locker inversion recovery T1 mapping indices: assessment of accuracy and reproducibility between magnetic resonance scanners. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2013 , 15, 64	6.9	61
561	Structural analysis of polymers of sickle cell hemoglobin. I. Sickle hemoglobin fibers. <i>Journal of Molecular Biology</i> , 1988 , 199, 315-31	6.5	61
560	Insulin resistance, subclinical left ventricular remodeling, and the obesity paradox: MESA (Multi-Ethnic Study of Atherosclerosis). <i>Journal of the American College of Cardiology</i> , 2013 , 61, 1698-706	15.1	60
559	Feasibility and variability of three dimensional echocardiography in arrhythmogenic right ventricular dysplasia/cardiomyopathy. <i>American Journal of Cardiology</i> , 2006 , 97, 703-9	3	60

558	Three-dimensional helical CT of intrahepatic venous structures: comparison of three rendering techniques. <i>Journal of Computer Assisted Tomography</i> , 1996 , 20, 122-7	2.2	60
557	Left atrial structure and functional quantitation using cardiovascular magnetic resonance and multimodality tissue tracking: validation and reproducibility assessment. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2015 , 17, 52	6.9	59
556	Physical activity and right ventricular structure and function. The MESA-Right Ventricle Study. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2011 , 183, 396-404	10.2	59
555	Relationship between baseline coronary calcium score and demonstration of coronary artery stenoses during follow-up MESA (Multi-Ethnic Study of Atherosclerosis). <i>JACC: Cardiovascular Imaging</i> , 2009 , 2, 1175-83	8.4	59
554	Characterization of musculoskeletal lesions on 3-T proton MR spectroscopy. <i>American Journal of Roentgenology</i> , 2007 , 188, 1513-20	5.4	59
553	Feasibility of Dose-reduced Chest CT with Photon-counting Detectors: Initial Results in Humans. <i>Radiology</i> , 2017 , 285, 980-989	20.5	58
552	Percent emphysema and right ventricular structure and function: the Multi-Ethnic Study of Atherosclerosis-Lung and Multi-Ethnic Study of Atherosclerosis-Right Ventricle Studies. <i>Chest</i> , 2013 , 144, 136-144	5.3	58
551	Arrhythmogenic right ventricular dysplasia: ex vivo and in vivo fat detection with black-blood MR imaging. <i>Radiology</i> , 2004 , 232, 38-48	20.5	58
550	Regional and global biventricular function in pulmonary arterial hypertension: a cardiac MR imaging study. <i>Radiology</i> , 2013 , 266, 114-22	20.5	57
549	Magnetic resonance imaging of large vessel vasculitis. <i>Current Opinion in Rheumatology</i> , 2001 , 13, 41-7	5.3	57
548	Dual-contrast agent photon-counting computed tomography of the heart: initial experience. <i>International Journal of Cardiovascular Imaging</i> , 2017 , 33, 1253-1261	2.5	56
547	Genome-Wide Analysis of Left Ventricular Image-Derived Phenotypes Identifies Fourteen Loci Associated With Cardiac Morphogenesis and Heart Failure Development. <i>Circulation</i> , 2019 , 140, 1318-1330	16.7	56
546	Atlas-based quantification of cardiac remodeling due to myocardial infarction. <i>PLoS ONE</i> , 2014 , 9, e110243	3.7	56
545	Age at menopause and incident heart failure: the Multi-Ethnic Study of Atherosclerosis. <i>Menopause</i> , 2014 , 21, 585-91	2.5	56
544	Monitoring of neoadjuvant chemotherapy using multiparametric, ²³ Na sodium MR, and multimodality (PET/CT/MRI) imaging in locally advanced breast cancer. <i>Breast Cancer Research and Treatment</i> , 2011 , 128, 119-26	4.4	56
543	Myocardial structural associations with local electrograms: a study of postinfarct ventricular tachycardia pathophysiology and magnetic resonance-based noninvasive mapping. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2012 , 5, 1081-90	6.4	56
542	Adverse Left Ventricular Remodeling and Age Assessed with Cardiac MR Imaging: The Multi-Ethnic Study of Atherosclerosis. <i>Radiology</i> , 2016 , 278, 714-22	20.5	55
541	Prediction of sarcomere mutations in subclinical hypertrophic cardiomyopathy. <i>Circulation: Cardiovascular Imaging</i> , 2014 , 7, 863-71	3.9	55

540	Left ventricular shape variation in asymptomatic populations: the Multi-Ethnic Study of Atherosclerosis. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2014 , 16, 56	6.9	55
539	Resistive and pulsatile arterial load as predictors of left ventricular mass and geometry: the multi-ethnic study of atherosclerosis. <i>Hypertension</i> , 2015 , 65, 85-92	8.5	55
538	Musculoskeletal tumors: use of proton MR spectroscopic imaging for characterization. <i>Journal of Magnetic Resonance Imaging</i> , 2006 , 23, 23-8	5.6	55
537	Coronary artery atherosclerosis is related to reduced regional left ventricular function in individuals without history of clinical cardiovascular disease: the Multiethnic Study of Atherosclerosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2006 , 26, 206-11	9.4	55
536	Distinction of long bone stress fractures from pathologic fractures on cross-sectional imaging: how successful are we?. <i>American Journal of Roentgenology</i> , 2005 , 185, 915-24	5.4	55
535	Cigarette smoking and cardiovascular events: role of inflammation and subclinical atherosclerosis from the MultiEthnic Study of Atherosclerosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015 , 35, 700-9	9.4	54
534	The QT interval is associated with incident cardiovascular events: the MESA study. <i>Journal of the American College of Cardiology</i> , 2014 , 64, 2111-9	15.1	54
533	Association of longitudinal changes in left ventricular structure and function with myocardial fibrosis: the Multi-Ethnic Study of Atherosclerosis study. <i>Hypertension</i> , 2014 , 64, 508-15	8.5	54
532	Determinants and normal values of ascending aortic diameter by age, gender, and race/ethnicity in the Multi-Ethnic Study of Atherosclerosis (MESA). <i>Journal of Magnetic Resonance Imaging</i> , 2014 , 39, 360-8	5.6	53
531	Relationship of interleukin-6 with regional and global left-ventricular function in asymptomatic individuals without clinical cardiovascular disease: insights from the Multi-Ethnic Study of Atherosclerosis. <i>European Heart Journal</i> , 2010 , 31, 875-82	9.5	53
530	Value of the signal-averaged electrocardiogram in arrhythmogenic right ventricular cardiomyopathy/dysplasia. <i>Heart Rhythm</i> , 2011 , 8, 256-62	6.7	53
529	Left ventricular hypertrophy in mild and moderate reduction in kidney function determined using cardiac magnetic resonance imaging and cystatin C: the multi-ethnic study of atherosclerosis (MESA). <i>American Journal of Kidney Diseases</i> , 2008 , 52, 839-48	7.4	53
528	Receiver operating characteristic analysis of diffusion-weighted magnetic resonance imaging in differentiating hepatic hemangioma from other hypervascular liver lesions. <i>Journal of Computer Assisted Tomography</i> , 2008 , 32, 750-6	2.2	53
527	MR imaging of the female urethra and supporting ligaments in assessment of urinary incontinence: spectrum of abnormalities. <i>Radiographics</i> , 2006 , 26, 1135-49	5.4	53
526	Reference ranges ("normal values") for cardiovascular magnetic resonance (CMR) in adults and children: 2020 update. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2020 , 22, 87	6.9	53
525	MR imaging in patients at risk for developing nephrogenic systemic fibrosis: protocols, practices, and imaging techniques to maximize patient safety. <i>Radiographics</i> , 2009 , 29, 9-22	5.4	52
524	Body size adjustments for left ventricular mass by cardiovascular magnetic resonance and their impact on left ventricular hypertrophy classification. <i>International Journal of Cardiovascular Imaging</i> , 2010 , 26, 459-68	2.5	52
523	Diagnostic accuracy of arterial phase 64-slice multidetector CT angiography for left atrial appendage thrombus in patients undergoing atrial fibrillation ablation. <i>Journal of Cardiovascular Electrophysiology</i> , 2008 , 19, 247-51	2.7	52

522	Late systolic onset of regional LV relaxation demonstrated in three-dimensional space by MRI tissue tagging. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2004 , 287, H1740-6	5.2	52
521	Heart failure risk prediction in the Multi-Ethnic Study of Atherosclerosis. <i>Heart</i> , 2015 , 101, 58-64	5.1	51
520	Relation of cardiovascular risk factors to right ventricular structure and function as determined by magnetic resonance imaging (results from the multi-ethnic study of atherosclerosis). <i>American Journal of Cardiology</i> , 2010 , 106, 110-6	3	51
519	Cardiac cine MRI: Quantification of the relationship between fast gradient echo and steady-state free precession for determination of myocardial mass and volumes. <i>Journal of Magnetic Resonance Imaging</i> , 2008 , 28, 60-6	5.6	51
518	Lower myocardial perfusion reserve is associated with decreased regional left ventricular function in asymptomatic participants of the multi-ethnic study of atherosclerosis. <i>Circulation</i> , 2006 , 114, 289-97	16.7	51
517	Atherosclerotic Vascular Disease Conference: Writing Group IV: imaging. <i>Circulation</i> , 2004 , 109, 2626-33	16.7	51
516	Association of electrocardiographic and imaging surrogates of left ventricular hypertrophy with incident atrial fibrillation: MESA (Multi-Ethnic Study of Atherosclerosis). <i>Journal of the American College of Cardiology</i> , 2014 , 63, 2007-13	15.1	50
515	Improved characterization of focal liver lesions with liver-specific gadoxetic acid disodium-enhanced magnetic resonance imaging: a multicenter phase 3 clinical trial. <i>Journal of Computer Assisted Tomography</i> , 2010 , 34, 163-72	2.2	50
514	Evolving role of multidetector computed tomography in evaluation of arrhythmogenic right ventricular dysplasia/cardiomyopathy. <i>American Journal of Cardiology</i> , 2007 , 100, 99-105	3	50
513	Spatially resolved imaging of myocardial function with strain-encoded MR: comparison with delayed contrast-enhanced MR imaging after myocardial infarction. <i>Radiology</i> , 2004 , 233, 596-602	20.5	50
512	Findings on magnetic resonance imaging of idiopathic right ventricular outflow tachycardia. <i>American Journal of Cardiology</i> , 2004 , 94, 1441-5	3	50
511	American College of Radiology clinical statement on noninvasive cardiac imaging. <i>Radiology</i> , 2005 , 235, 723-7	20.5	49
510	Cholesterol efflux capacity in humans with psoriasis is inversely related to non-calcified burden of coronary atherosclerosis. <i>European Heart Journal</i> , 2015 , 36, 2662-5	9.5	48
509	Determinants of discrepancies in detection and comparison of the prognostic significance of left ventricular hypertrophy by electrocardiogram and cardiac magnetic resonance imaging. <i>American Journal of Cardiology</i> , 2015 , 115, 515-22	3	48
508	A high ankle brachial index is associated with greater left ventricular mass MESA (Multi-Ethnic Study of Atherosclerosis). <i>Journal of the American College of Cardiology</i> , 2010 , 55, 342-9	15.1	48
507	Role of computed tomography and magnetic resonance imaging in assessment of acute aortic syndromes. <i>Seminars in Ultrasound, CT and MRI</i> , 2003 , 24, 232-54	1.7	48
506	MR IMAGING IN THE EVALUATION OF HEPATIC METASTASES. <i>Magnetic Resonance Imaging Clinics of North America</i> , 2000 , 8, 741-756	1.6	48
505	Low-dose lung cancer screening with photon-counting CT: a feasibility study. <i>Physics in Medicine and Biology</i> , 2017 , 62, 202-213	3.8	47

504	Cardiac and Respiratory Motion Correction for Simultaneous Cardiac PET/MR. <i>Journal of Nuclear Medicine</i> , 2017 , 58, 846-852	8.9	46
503	Assessment of acute myocardial infarction: current status and recommendations from the North American society for Cardiovascular Imaging and the European Society of Cardiac Radiology. <i>International Journal of Cardiovascular Imaging</i> , 2011 , 27, 7-24	2.5	46
502	Dietary pattern, the metabolic syndrome, and left ventricular mass and systolic function: the Multi-Ethnic Study of Atherosclerosis. <i>American Journal of Clinical Nutrition</i> , 2009 , 90, 362-8	7	46
501	Changes of pulmonary vein orifice size and location throughout the cardiac cycle: dynamic analysis using magnetic resonance cine imaging. <i>Journal of Cardiovascular Electrophysiology</i> , 2005 , 16, 582-8	2.7	46
500	Photon-Counting CT of the Brain: In Vivo Human Results and Image-Quality Assessment. <i>American Journal of Neuroradiology</i> , 2017 , 38, 2257-2263	4.4	45
499	Noninvasive Imaging of Atherosclerotic Plaque Progression: Status of Coronary Computed Tomography Angiography. <i>Circulation: Cardiovascular Imaging</i> , 2015 , 8, e003316	3.9	45
498	Aortic Arch Pulse Wave Velocity Assessed by Magnetic Resonance Imaging as a Predictor of Incident Cardiovascular Events: The MESA (Multi-Ethnic Study of Atherosclerosis). <i>Hypertension</i> , 2017 , 70, 524-530	8.5	45
497	Myocardial viability: breath-hold 3D MR imaging of delayed hyperenhancement with variable sampling in time. <i>Radiology</i> , 2004 , 230, 845-51	20.5	45
496	CT and MR Evaluation of Pancreatic Cancer. <i>Surgical Oncology Clinics of North America</i> , 1998 , 7, 103-124	2.7	45
495	Multi-ethnic study of atherosclerosis: association between left atrial function using tissue tracking from cine MR imaging and myocardial fibrosis. <i>Radiology</i> , 2014 , 273, 703-13	20.5	44
494	Left ventricular global function index by magnetic resonance imaging--a novel marker for assessment of cardiac performance for the prediction of cardiovascular events: the multi-ethnic study of atherosclerosis. <i>Hypertension</i> , 2013 , 61, 770-8	8.5	44
493	Elevated homocysteine is associated with reduced regional left ventricular function: the Multi-Ethnic Study of Atherosclerosis. <i>Circulation</i> , 2007 , 115, 180-7	16.7	44
492	Traffic-related air pollution and the right ventricle. The multi-ethnic study of atherosclerosis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2014 , 189, 1093-100	10.2	43
491	Dose Efficiency of Quarter-Millimeter Photon-Counting Computed Tomography: First-in-Human Results. <i>Investigative Radiology</i> , 2018 , 53, 365-372	10.1	42
490	Ten-year longitudinal change in aortic stiffness assessed by cardiac MRI in the second half of the human lifespan: the multi-ethnic study of atherosclerosis. <i>European Heart Journal Cardiovascular Imaging</i> , 2016 , 17, 1044-53	4.1	42
489	Coronary Artery Calcium Improves Risk Assessment in Adults With a Family History of Premature Coronary Heart Disease: Results From Multiethnic Study of Atherosclerosis. <i>Circulation: Cardiovascular Imaging</i> , 2015 , 8, e003186	3.9	42
488	Impact of nonischemic scar features on local ventricular electrograms and scar-related ventricular tachycardia circuits in patients with nonischemic cardiomyopathy. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2013 , 6, 1139-47	6.4	42
487	Multiparametric magnetic resonance imaging, spectroscopy and multinuclear (^{23}Na) imaging monitoring of preoperative chemotherapy for locally advanced breast cancer. <i>Academic Radiology</i> , 2010 , 17, 1477-85	4.3	42

486	The association of pericardial fat with coronary artery plaque index at MR imaging: The Multi-Ethnic Study of Atherosclerosis (MESA). <i>Radiology</i> , 2011 , 261, 109-15	20.5	42
485	MRI of arrhythmogenic right ventricular cardiomyopathy/dysplasia. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2004 , 6, 557-63	6.9	42
484	Assessment of response of uterine fibroids and myometrium to embolization using diffusion-weighted echoplanar MR imaging. <i>Journal of Computer Assisted Tomography</i> , 2005 , 29, 83-6	2.2	42
483	Race/ethnic and sex differences in large and small artery elasticity--results of the multi-ethnic study of atherosclerosis (MESA). <i>Ethnicity and Disease</i> , 2009 , 19, 243-50	1.8	42
482	Diffusion-weighted MRI for detecting and monitoring cancer: a review of current applications in body imaging. <i>Diagnostic and Interventional Radiology</i> , 2012 , 18, 46-59	3.2	42
481	Oestradiol metabolism and androgen receptor genotypes are associated with right ventricular function. <i>European Respiratory Journal</i> , 2016 , 47, 553-63	13.6	41
480	Myocardial fibrosis detected by cardiac CT predicts ventricular fibrillation/ventricular tachycardia events in patients with hypertrophic cardiomyopathy. <i>Journal of Cardiovascular Computed Tomography</i> , 2013 , 7, 173-81	2.8	41
479	Relationship of delayed enhancement by magnetic resonance to myocardial perfusion by positron emission tomography in hypertrophic cardiomyopathy. <i>Circulation: Cardiovascular Imaging</i> , 2013 , 6, 210-7	7.9	41
478	Age, increased left ventricular mass, and lower regional myocardial perfusion are related to greater extent of myocardial dyssynchrony in asymptomatic individuals: the multi-ethnic study of atherosclerosis. <i>Circulation</i> , 2009 , 120, 859-66	16.7	41
477	Renal artery stenosis evaluation: diagnostic performance of gadobenate dimeglumine-enhanced MR angiography--comparison with DSA. <i>Radiology</i> , 2008 , 247, 273-85	20.5	41
476	Feature tracking CMR reveals abnormal strain in preclinical arrhythmogenic right ventricular dysplasia/ cardiomyopathy: a multisoftware feasibility and clinical implementation study. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2017 , 19, 66	6.9	40
475	Prevalence and Progression of Late Gadolinium Enhancement in Children and Adolescents With Hypertrophic Cardiomyopathy. <i>Circulation</i> , 2018 , 138, 782-792	16.7	40
474	Genome-wide association study of cardiac structure and systolic function in African Americans: the Candidate Gene Association Resource (CARE) study. <i>Circulation: Cardiovascular Genetics</i> , 2013 , 6, 37-46		40
473	Relationship of CRP, IL-6, and fibrinogen with right ventricular structure and function: the MESA-Right Ventricle Study. <i>International Journal of Cardiology</i> , 2013 , 168, 3818-24	3.2	40
472	Advanced cardiac MR imaging of ischemic heart disease. <i>Radiographics</i> , 2001 , 21, 1047-74	5.4	40
471	Noninvasive Multimodality Imaging in ARVD/C. <i>JACC: Cardiovascular Imaging</i> , 2015 , 8, 597-611	8.4	39
470	Common genetic variants and subclinical atherosclerosis: The Multi-Ethnic Study of Atherosclerosis (MESA). <i>Atherosclerosis</i> , 2016 , 245, 230-6	3.1	39
469	Histamine H2 Receptor Antagonists, Left Ventricular Morphology, and Heart Failure Risk: The MESA Study. <i>Journal of the American College of Cardiology</i> , 2016 , 67, 1544-1552	15.1	39

468	Associations among lung function, arterial elasticity, and circulating endothelial and inflammation markers: the multiethnic study of atherosclerosis. <i>Hypertension</i> , 2013 , 61, 542-8	8.5	39
467	Cardiac MR findings and potential diagnostic pitfalls in patients evaluated for arrhythmogenic right ventricular cardiomyopathy. <i>Radiographics</i> , 2014 , 34, 1553-70	5.4	39
466	Evaluation of the female urethra with intraurethral magnetic resonance imaging. <i>Journal of Magnetic Resonance Imaging</i> , 2004 , 20, 153-9	5.6	39
465	Quantification of muscle choline concentrations by proton MR spectroscopy at 3 T: technical feasibility. <i>American Journal of Roentgenology</i> , 2010 , 194, W73-9	5.4	38
464	A feasibility study of quantitative molecular characterization of musculoskeletal lesions by proton MR spectroscopy at 3 T. <i>American Journal of Roentgenology</i> , 2010 , 195, W69-75	5.4	38
463	A multicenter, randomized, double-blind study to evaluate the safety, tolerability, and efficacy of OptiMARK (gadoversetamide injection) compared with Magnevist (gadopentetate dimeglumine) in patients with liver pathology: results of a Phase III clinical trial. <i>Journal of Magnetic Resonance Imaging</i> , 2009 , 29, 240-50	5.6	38
462	Association Between Aortic Vascular Inflammation and Coronary Artery Plaque Characteristics in Psoriasis. <i>JAMA Cardiology</i> , 2018 , 3, 949-956	16.2	38
461	Inter-study reproducibility of cardiovascular magnetic resonance tagging. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2013 , 15, 37	6.9	37
460	Association of Elevated NT-proBNP With Myocardial Fibrosis in the Multi-Ethnic Study of Atherosclerosis (MESA). <i>Journal of the American College of Cardiology</i> , 2017 , 70, 3102-3109	15.1	37
459	Modification of the effect of glycemic status on aortic distensibility by age in the multi-ethnic study of atherosclerosis. <i>Hypertension</i> , 2010 , 55, 26-32	8.5	37
458	Computed tomography and magnetic resonance imaging appearance of renal neoplasms after radiofrequency ablation and cryoablation. <i>Seminars in Ultrasound, CT and MRI</i> , 2009 , 30, 67-77	1.7	37
457	Relationship between C-reactive protein levels and regional left ventricular function in asymptomatic individuals: the Multi-Ethnic Study of Atherosclerosis. <i>Journal of the American College of Cardiology</i> , 2007 , 49, 594-600	15.1	37
456	ACR practice guideline for the performance and interpretation of cardiac magnetic resonance imaging (MRI). <i>Journal of the American College of Radiology</i> , 2006 , 3, 665-76	3.5	37
455	Hepatic MR imaging with ferumoxides: multicenter study of safety and effectiveness of direct injection protocol. <i>Radiology</i> , 2003 , 228, 457-64	20.5	37
454	MRI detection of myocardial perfusion defects due to coronary artery stenosis with MS-325. <i>Journal of Magnetic Resonance Imaging</i> , 2002 , 15, 149-58	5.6	37
453	Association of Sleep Apnea and Snoring With Incident Atrial Fibrillation in the Multi-Ethnic Study of Atherosclerosis. <i>American Journal of Epidemiology</i> , 2015 , 182, 49-57	3.8	36
452	Coronary Plaque Burden at Coronary CT Angiography in Asymptomatic Men and Women. <i>Radiology</i> , 2015 , 277, 73-80	20.5	36
451	Association of Liver Fibrosis With Cardiovascular Diseases in the General Population: The Multi-Ethnic Study of Atherosclerosis (MESA). <i>Circulation: Cardiovascular Imaging</i> , 2018 , 11, e007241	3.9	36

450	Diastolic function assessed from tagged MRI predicts heart failure and atrial fibrillation over an 8-year follow-up period: the multi-ethnic study of atherosclerosis. <i>European Heart Journal Cardiovascular Imaging</i> , 2014 , 15, 442-9	4.1	36
449	Common genetic variation, residential proximity to traffic exposure, and left ventricular mass: the multi-ethnic study of atherosclerosis. <i>Environmental Health Perspectives</i> , 2010 , 118, 962-9	8.4	36
448	Association of QRS duration with left ventricular structure and function and risk of heart failure in middle-aged and older adults: the Multi-Ethnic Study of Atherosclerosis (MESA). <i>European Journal of Heart Failure</i> , 2012 , 14, 1285-92	12.3	36
447	MRI detects increased coronary wall thickness in asymptomatic individuals: the multi-ethnic study of atherosclerosis (MESA). <i>Journal of Magnetic Resonance Imaging</i> , 2008 , 28, 1108-15	5.6	36
446	Enhanced infarct border zone function and altered mechanical activation predict inducibility of monomorphic ventricular tachycardia in patients with ischemic cardiomyopathy. <i>Radiology</i> , 2007 , 245, 712-9	20.5	36
445	Multiparametric and multinuclear magnetic resonance imaging of human breast cancer: current applications. <i>Technology in Cancer Research and Treatment</i> , 2004 , 3, 543-50	2.7	36
444	The Burden of Early Phenotypes and the Influence of Wall Thickness in Hypertrophic Cardiomyopathy Mutation Carriers: Findings From the HCMNet Study. <i>JAMA Cardiology</i> , 2017 , 2, 419-428	16.2	35
443	Fractal Analysis of Myocardial Trabeculations in 2547 Study Participants: Multi-Ethnic Study of Atherosclerosis. <i>Radiology</i> , 2015 , 277, 707-15	20.5	35
442	Pulmonary vascular volume, impaired left ventricular filling and dyspnea: The MESA Lung Study. <i>PLoS ONE</i> , 2017 , 12, e0176180	3.7	35
441	Prevalence of Cancer at Baseline Screening in the National Cancer Institute Li-Fraumeni Syndrome Cohort. <i>JAMA Oncology</i> , 2017 , 3, 1640-1645	13.4	35
440	Assessment of cardiac involvement in myotonic muscular dystrophy by T1 mapping on magnetic resonance imaging. <i>Heart Rhythm</i> , 2012 , 9, 1691-7	6.7	35
439	MRI-measured regression of carotid atherosclerosis induced by statins with and without niacin in a randomised controlled trial: the NIA plaque study. <i>Heart</i> , 2013 , 99, 1675-80	5.1	35
438	Single-vessel coronary artery stenosis: myocardial perfusion imaging with Gadomer-17 first-pass MR imaging in a swine model of comparison with gadopentetate dimeglumine. <i>Radiology</i> , 2002 , 225, 104-12	20.5	35
437	Liver lesions: manganese-enhanced MR and dual-phase helical CT for preoperative detection and characterization comparison with receiver operating characteristic analysis. <i>Radiology</i> , 2002 , 223, 525-31	20.5	35
436	Coronary CT Angiography: Variability of CT Scanners and Readers in Measurement of Plaque Volume. <i>Radiology</i> , 2016 , 281, 737-748	20.5	34
435	Quantitative and semiquantitative measures of regional pulmonary microvascular perfusion by magnetic resonance imaging and their relationships to global lung perfusion and lung diffusing capacity: the multiethnic study of atherosclerosis chronic obstructive pulmonary disease study. <i>Investigative Radiology</i> , 2013 , 48, 223-30	10.1	34
434	MR imaging of intrahepatic cholangiocarcinoma: use of ferumoxides for lesion localization and extension. <i>American Journal of Roentgenology</i> , 2001 , 177, 111-4	5.4	34
433	Sex hormone levels and change in left ventricular structure among men and post-menopausal women: The Multi-Ethnic Study of Atherosclerosis (MESA). <i>Maturitas</i> , 2018 , 108, 37-44	5	34

432	Lower DHEA-S levels predict disease and worse outcomes in post-menopausal women with idiopathic, connective tissue disease- and congenital heart disease-associated pulmonary arterial hypertension. <i>European Respiratory Journal</i> , 2018 , 51,	13.6	33
431	Relation of systolic, diastolic, and pulse pressures and aortic distensibility with atrial fibrillation (from the Multi-Ethnic Study of Atherosclerosis). <i>American Journal of Cardiology</i> , 2014 , 114, 587-92	3	33
430	3D left ventricular extracellular volume fraction by low-radiation dose cardiac CT: assessment of interstitial myocardial fibrosis. <i>Journal of Cardiovascular Computed Tomography</i> , 2013 , 7, 51-7	2.8	33
429	Evolution of aortic wall thickness and stiffness with atherosclerosis: long-term follow up from the multi-ethnic study of atherosclerosis. <i>Hypertension</i> , 2015 , 65, 1015-9	8.5	33
428	Associations of cardiovascular risk factors, carotid intima-media thickness and left ventricular mass with inter-adventitial diameters of the common carotid artery: the Multi-Ethnic Study of Atherosclerosis (MESA). <i>Atherosclerosis</i> , 2011 , 218, 344-9	3.1	33
427	DASH eating pattern is associated with favorable left ventricular function in the multi-ethnic study of atherosclerosis. <i>Journal of the American College of Nutrition</i> , 2012 , 31, 401-7	3.5	33
426	Liver fat, statin use, and incident diabetes: The Multi-Ethnic Study of Atherosclerosis. <i>Atherosclerosis</i> , 2015 , 242, 211-7	3.1	32
425	Submillimeter diffusion tensor imaging and late gadolinium enhancement cardiovascular magnetic resonance of chronic myocardial infarction. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2017 , 19, 9	6.9	32
424	Accelerated acquisition of tagged MRI for cardiac motion correction in simultaneous PET-MR: phantom and patient studies. <i>Medical Physics</i> , 2015 , 42, 1087-97	4.4	32
423	Location of arterial stiffening differs in those with impaired fasting glucose versus diabetes: implications for left ventricular hypertrophy from the Multi-Ethnic Study of Atherosclerosis. <i>Diabetes</i> , 2009 , 58, 946-53	0.9	32
422	Proton, diffusion-weighted imaging, and sodium (²³ Na) MRI of uterine leiomyomata after MR-guided high-intensity focused ultrasound: a preliminary study. <i>Journal of Magnetic Resonance Imaging</i> , 2009 , 29, 649-56	5.6	32
421	Role of cardiac magnetic resonance imaging in assessment of nonischemic cardiomyopathies. <i>Topics in Magnetic Resonance Imaging</i> , 2008 , 19, 43-57	2.3	32
420	Automatic vessel wall contour detection and quantification of wall thickness in in-vivo MR images of the human aorta. <i>Journal of Magnetic Resonance Imaging</i> , 2006 , 24, 595-602	5.6	32
419	The reconstruction of helical particles with variable pitch. <i>Ultramicroscopy</i> , 1988 , 26, 255-70	3.1	32
418	Left Atrial Mechanical Function and Incident Ischemic Cerebrovascular Events Independent of AF: Insights From the MESA Study. <i>JACC: Cardiovascular Imaging</i> , 2019 , 12, 2417-2427	8.4	31
417	Right ventricular strain by MR quantitatively identifies regional dysfunction in patients with arrhythmogenic right ventricular cardiomyopathy. <i>Journal of Magnetic Resonance Imaging</i> , 2016 , 43, 1132-9	5.6	31
416	Relation of leptin to left ventricular hypertrophy (from the Multi-Ethnic Study of Atherosclerosis). <i>American Journal of Cardiology</i> , 2013 , 112, 726-30	3	31
415	Late systolic central hypertension as a predictor of incident heart failure: the Multi-ethnic Study of Atherosclerosis. <i>Journal of the American Heart Association</i> , 2015 , 4, e001335	6	31

414	Left ventricular dilation and incident congestive heart failure in asymptomatic adults without cardiovascular disease: multi-ethnic study of atherosclerosis (MESA). <i>Journal of Cardiac Failure</i> , 2014 , 20, 905-11	3.3	31
413	Effects of prior intensive versus conventional therapy and history of glycemia on cardiac function in type 1 diabetes in the DCCT/EDIC. <i>Diabetes</i> , 2013 , 62, 3561-9	0.9	31
412	Focal fatty infiltration in the head of the pancreas: evaluation with multidetector computed tomography with multiplanar reformation imaging. <i>Journal of Computer Assisted Tomography</i> , 2009 , 33, 90-5	2.2	31
411	Magnetic resonance imaging in the evaluation of non-ischemic cardiomyopathies: current applications and future perspectives. <i>Heart Failure Reviews</i> , 2006 , 11, 313-23	5	31
410	Prevalence of left ventricular regional dysfunction in arrhythmogenic right ventricular dysplasia: a tagged MRI study. <i>Circulation: Cardiovascular Imaging</i> , 2010 , 3, 290-7	3.9	30
409	Tracking radiation exposure from diagnostic imaging devices at the NIH. <i>Journal of the American College of Radiology</i> , 2010 , 7, 87-9	3.5	30
408	Left Ventricular Strain Is Abnormal in Preclinical and Overt Hypertrophic Cardiomyopathy: Cardiac MR Feature Tracking. <i>Radiology</i> , 2019 , 290, 640-648	20.5	30
407	Chronic Stress-Related Neural Activity Associates With Subclinical Cardiovascular Disease in Psoriasis: A Prospective Cohort Study. <i>JACC: Cardiovascular Imaging</i> , 2020 , 13, 465-477	8.4	30
406	Thoracic aortic distensibility and thoracic aortic calcium (from the Multi-Ethnic Study of Atherosclerosis [MESA]). <i>American Journal of Cardiology</i> , 2010 , 106, 575-80	3	29
405	Marked lipomatous infiltration of the right ventricle: MRI findings in relation to arrhythmogenic right ventricular dysplasia. <i>American Journal of Roentgenology</i> , 2007 , 188, W423-7	5.4	29
404	Left ventricular shape predicts different types of cardiovascular events in the general population. <i>Heart</i> , 2017 , 103, 499-507	5.1	28
403	Electrocardiographic Predictors of Heart Failure With Reduced Versus Preserved Ejection Fraction: The Multi-Ethnic Study of Atherosclerosis. <i>Journal of the American Heart Association</i> , 2017 , 6,	6	28
402	Association of Cardiovascular Risk Factors and Myocardial Fibrosis With Early Cardiac Dysfunction in Type 1 Diabetes: The Diabetes Control and Complications Trial/Epidemiology of Diabetes Interventions and Complications Study. <i>Diabetes Care</i> , 2017 , 40, 405-411	14.6	28
401	The association between cardiovascular risk and cardiovascular magnetic resonance measures of fibrosis: the Multi-Ethnic Study of Atherosclerosis (MESA). <i>Journal of Cardiovascular Magnetic Resonance</i> , 2015 , 17, 15	6.9	28
400	Hypertrophy Regression With N-Acetylcysteine in Hypertrophic Cardiomyopathy (HALT-HCM): A Randomized, Placebo-Controlled, Double-Blind Pilot Study. <i>Circulation Research</i> , 2018 , 122, 1109-1118	15.7	28
399	Coronary artery plaque volume and obesity in patients with diabetes: the factor-64 study. <i>Radiology</i> , 2014 , 272, 690-9	20.5	28
398	High-sensitivity C-reactive protein as an independent predictor of progressive myocardial functional deterioration: the multiethnic study of atherosclerosis. <i>American Heart Journal</i> , 2012 , 164, 251-8	4.9	28
397	Myocardial fat quantification in humans: Evaluation by two-point water-fat imaging and localized proton spectroscopy. <i>Magnetic Resonance in Medicine</i> , 2010 , 63, 892-901	4.4	28

396	Molecular characterization of musculoskeletal tumors by proton MR spectroscopy. <i>Seminars in Musculoskeletal Radiology</i> , 2007 , 11, 240-5	1.8	28
395	MR imaging of liver tumors. <i>Radiologic Clinics of North America</i> , 2003 , 41, 51-65	2.3	28
394	The apparent inversion time for optimal delayed enhancement magnetic resonance imaging differs between the right and left ventricles. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2005 , 7, 475-9	6.9	28
393	Transmural contractile reserve after reperfused myocardial infarction in dogs. <i>Journal of the American College of Cardiology</i> , 2000 , 36, 2339-46	15.1	28
392	Advanced MRI for carotid plaque imaging. <i>International Journal of Cardiovascular Imaging</i> , 2016 , 32, 83-92.5		27
391	Left Atrial Structure in Relationship to Age, Sex, Ethnicity, and Cardiovascular Risk Factors: MESA (Multi-Ethnic Study of Atherosclerosis). <i>Circulation: Cardiovascular Imaging</i> , 2017 , 10,	3.9	27
390	Left Ventricular Mass at MRI and Long-term Risk of Cardiovascular Events: The Multi-Ethnic Study of Atherosclerosis (MESA). <i>Radiology</i> , 2019 , 293, 107-114	20.5	27
389	Weight loss and progressive left ventricular remodelling: The Multi-Ethnic Study of Atherosclerosis (MESA). <i>European Journal of Preventive Cardiology</i> , 2015 , 22, 1408-18	3.9	27
388	Cardiovascular magnetic resonance in an adult human population: serial observations from the multi-ethnic study of atherosclerosis. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2017 , 19, 52	6.9	27
387	Radiology in 2018: Are You Working with AI or Being Replaced by AI?. <i>Radiology</i> , 2018 , 287, 365-366	20.5	27
386	Atlas-based analysis of cardiac shape and function: correction of regional shape bias due to imaging protocol for population studies. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2013 , 15, 80	6.9	27
385	Noninvasive imaging of myocardial extracellular matrix for assessment of fibrosis. <i>Current Opinion in Cardiology</i> , 2013 , 28, 282-9	2.1	27
384	Right ventricle shape and contraction patterns and relation to magnetic resonance imaging findings. <i>Journal of Computer Assisted Tomography</i> , 2005 , 29, 725-33	2.2	27
383	Comparison of strain measurement from multimodality tissue tracking with strain-encoding MRI and harmonic phase MRI in pulmonary hypertension. <i>International Journal of Cardiology</i> , 2015 , 182, 342-348	3.2	26
382	Cardiac magnetic resonance imaging and its electrocardiographs (ECG): tips and tricks. <i>International Journal of Cardiovascular Imaging</i> , 2012 , 28, 1465-75	2.5	26
381	3-dimensional magnetic resonance imaging modeling of the pelvic floor musculature in classic bladder exstrophy before pelvic osteotomy. <i>Journal of Urology</i> , 2004 , 172, 1702-5	2.5	26
380	Hepatic leiomyosarcomas: CT features with pathologic correlation. <i>European Journal of Radiology</i> , 1995 , 19, 177-82	4.7	26
379	Risk Factors for First and Subsequent CVD Events in Type 1 Diabetes: The DCCT/EDIC Study. <i>Diabetes Care</i> , 2020 , 43, 867-874	14.6	26

378	Association of myocardial fibrosis and cardiovascular events: the multi-ethnic study of atherosclerosis. <i>European Heart Journal Cardiovascular Imaging</i> , 2019 , 20, 168-176	4.1	26
377	Association of left atrial structure and function and incident cardiovascular disease in patients with diabetes mellitus: results from multi-ethnic study of atherosclerosis (MESA). <i>European Heart Journal Cardiovascular Imaging</i> , 2017 , 18, 1138-1144	4.1	25
376	Fractal frontiers in cardiovascular magnetic resonance: towards clinical implementation. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2015 , 17, 80	6.9	25
375	Validity of the surface electrocardiogram criteria for right ventricular hypertrophy: the MESA-RV Study (Multi-Ethnic Study of Atherosclerosis-Right Ventricle). <i>Journal of the American College of Cardiology</i> , 2014 , 63, 672-681	15.1	25
374	Regional left ventricular myocardial dysfunction as a predictor of incident cardiovascular events MESA (multi-ethnic study of atherosclerosis). <i>Journal of the American College of Cardiology</i> , 2011 , 57, 1735-44	15.1	25
373	Increased right ventricular Septomarginal trabeculation mass is a novel marker for pulmonary hypertension: comparison with ventricular mass index and right ventricular mass. <i>Investigative Radiology</i> , 2011 , 46, 567-75	10.1	25
372	Prevalence and pathophysiologic attributes of ventricular dyssynchrony in arrhythmogenic right ventricular dysplasia/cardiomyopathy. <i>Journal of the American College of Cardiology</i> , 2009 , 54, 445-51	15.1	25
371	Comparison of left ventricular size by computed tomography with magnetic resonance imaging measures of left ventricle mass and volumes: the multi-ethnic study of atherosclerosis. <i>Journal of Cardiovascular Computed Tomography</i> , 2008 , 2, 141-8	2.8	25
370	Regional differences in systolic and diastolic function in arrhythmogenic right ventricular dysplasia/cardiomyopathy using magnetic resonance imaging. <i>American Journal of Cardiology</i> , 2005 , 95, 1507-11	3	25
369	Quarter-millimeter spectral coronary stent imaging with photon-counting CT: Initial experience. <i>Journal of Cardiovascular Computed Tomography</i> , 2018 , 12, 509-515	2.8	25
368	The Association of Coronary Artery Calcification With Subsequent Incidence of Cardiovascular Disease in Type 1 Diabetes: The DCCT/EDIC Trials. <i>JACC: Cardiovascular Imaging</i> , 2019 , 12, 1341-1349	8.4	24
367	Imaging the myocardial ischemic cascade. <i>International Journal of Cardiovascular Imaging</i> , 2018 , 34, 1249-1263	12.63	24
366	Change in left atrial function predicts incident atrial fibrillation: the Multi-Ethnic Study of Atherosclerosis. <i>European Heart Journal Cardiovascular Imaging</i> , 2019 , 20, 979-987	4.1	24
365	Assessment of atherosclerosis in chronic granulomatous disease. <i>Circulation</i> , 2014 , 130, 2031-9	16.7	24
364	Fasting glucose GWAS candidate region analysis across ethnic groups in the Multiethnic Study of Atherosclerosis (MESA). <i>Genetic Epidemiology</i> , 2012 , 36, 384-91	2.6	24
363	Association of left ventricular hypertrophy with incident hypertension: the multi-ethnic study of atherosclerosis. <i>American Journal of Epidemiology</i> , 2011 , 173, 898-905	3.8	24
362	Prolonged RV endocardial activation duration: a novel marker of arrhythmogenic right ventricular dysplasia/cardiomyopathy. <i>Heart Rhythm</i> , 2009 , 6, 769-75	6.7	24
361	Venous malformations: MR imaging features that predict skin burns after percutaneous alcohol embolization procedures. <i>Skeletal Radiology</i> , 2008 , 37, 895-901	2.7	24

360	Diagnostic performance of gadobenate dimeglumine enhanced MR angiography of the iliofemoral and calf arteries: a large-scale multicenter trial. <i>American Journal of Roentgenology</i> , 2007 , 189, 1223-37	5.4	24
359	In vivo intravascular MR imaging: transvenous technique for arterial wall imaging. <i>Journal of Vascular and Interventional Radiology</i> , 2003 , 14, 1317-27	2.4	24
358	Reproducibility of black-blood coronary vessel wall MR imaging. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2005 , 7, 409-13	6.9	24
357	Feasibility of integrating high-spatial-resolution 3D breath-hold coronary MR angiography with myocardial perfusion and viability examinations. <i>Radiology</i> , 2005 , 235, 1025-30	20.5	24
356	Regional Strain Analysis with Multidetector CT in a Swine Cardiomyopathy Model: Relationship to Cardiac MR Tagging and Myocardial Fibrosis. <i>Radiology</i> , 2015 , 277, 88-94	20.5	23
355	Left ventricular mass and hypertrophy by echocardiography and cardiac magnetic resonance: the multi-ethnic study of atherosclerosis. <i>Echocardiography</i> , 2014 , 31, 12-20	1.5	23
354	MRI of nonischemic cardiomyopathy. <i>American Journal of Roentgenology</i> , 2010 , 195, 935-40	5.4	23
353	Racial and ethnic differences in subclinical myocardial function: the Multi-Ethnic Study of Atherosclerosis. <i>Heart</i> , 2011 , 97, 405-10	5.1	23
352	The renin-angiotensin system and right ventricular structure and function: The MESA-Right Ventricle Study. <i>Pulmonary Circulation</i> , 2012 , 2, 379-86	2.7	23
351	Real-time single-heartbeat fast strain-encoded imaging of right ventricular regional function: normal versus chronic pulmonary hypertension. <i>Magnetic Resonance in Medicine</i> , 2010 , 64, 98-106	4.4	23
350	Solitary fibrous tumor of the liver: magnetic resonance imaging evaluation and treatment with transarterial chemoembolization. <i>Journal of Computer Assisted Tomography</i> , 2008 , 32, 769-71	2.2	23
349	Floating thoracic aortic thrombus in "protein S" deficient patient. <i>Journal of Vascular Surgery</i> , 2004 , 40, 381	3.5	23
348	NEW MR IMAGING CONTRAST AGENTS. <i>Magnetic Resonance Imaging Clinics of North America</i> , 1999 , 7, 255-273	1.6	23
347	Reproducibility of functional aortic analysis using magnetic resonance imaging: the MESA. <i>European Heart Journal Cardiovascular Imaging</i> , 2016 , 17, 909-17	4.1	22
346	Left ventricular hypertrophy by ECG versus cardiac MRI as a predictor for heart failure. <i>Heart</i> , 2017 , 103, 49-54	5.1	22
345	Radiology preparedness in ebola virus disease: guidelines and challenges for disinfection of medical imaging equipment for the protection of staff and patients. <i>Radiology</i> , 2015 , 275, 538-44	20.5	22
344	Comparison of Outcomes in Patients With Nonobstructive, Labile-Obstructive, and Chronically Obstructive Hypertrophic Cardiomyopathy. <i>American Journal of Cardiology</i> , 2015 , 116, 938-44	3	22
343	Spectrum of Biventricular Involvement on CMR Among Carriers of ARVD/C-Associated Mutations. <i>JACC: Cardiovascular Imaging</i> , 2015 , 8, 863-864	8.4	22

342	Quantitative Radiology Reporting in Oncology: Survey of Oncologists and Radiologists. <i>American Journal of Roentgenology</i> , 2015 , 205, W233-43	5.4	22
341	Left Atrial structure and function in hypertrophic cardiomyopathy sarcomere mutation carriers with and without left ventricular hypertrophy. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2017 , 19, 107	6.9	22
340	Baseline and long-term gamma-glutamyltransferase, heart failure and cardiac arrhythmias in middle-aged Finnish men: Prospective study and pooled analysis of published evidence. <i>European Journal of Preventive Cardiology</i> , 2016 , 23, 1354-62	3.9	22
339	Diffusion-weighted and Gd-EOB-DTPA-contrast-enhanced magnetic resonance imaging for characterization of tumor necrosis in an animal model. <i>Journal of Computer Assisted Tomography</i> , 2009 , 33, 626-30	2.2	22
338	Positron-emission tomography imaging of the angiotensin II subtype 1 receptor in swine renal artery stenosis. <i>Hypertension</i> , 2008 , 51, 466-73	8.5	22
337	Regional left ventricular function in individuals with mild to moderate renal insufficiency: the Multi-Ethnic Study of Atherosclerosis. <i>American Heart Journal</i> , 2007 , 153, 545-51	4.9	22
336	Long COVID: post-acute sequelae of COVID-19 with a cardiovascular focus.. <i>European Heart Journal</i> , 2022 ,	9.5	22
335	3.0-T whole-heart coronary magnetic resonance angiography: comparison of gadobenate dimeglumine and gadofosveset trisodium. <i>International Journal of Cardiovascular Imaging</i> , 2013 , 29, 1085-94	2.54	21
334	Gadolinium-enhanced cardiovascular magnetic resonance: administered dose in relationship to United States Food and Drug Administration (FDA) guidelines. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2012 , 14, 18	6.9	21
333	Associations of LV hypertrophy with prevalent and incident valve calcification: Multi-Ethnic Study of Atherosclerosis. <i>JACC: Cardiovascular Imaging</i> , 2012 , 5, 781-8	8.4	21
332	Fibrinogen and left ventricular myocardial systolic function: The Multi-Ethnic Study of Atherosclerosis (MESA). <i>American Heart Journal</i> , 2010 , 160, 479-86	4.9	21
331	The influence of left ventricular size and global function on regional myocardial contraction and relaxation in an adult population free of cardiovascular disease: a tagged CMR study of the MESA cohort. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2007 , 9, 921-30	6.9	21
330	A minimally invasive method for creating coronary stenosis in a swine model for MRI and SPECT imaging. <i>Investigative Radiology</i> , 2000 , 35, 445-51	10.1	21
329	A Clinical Service to Support the Return of Secondary Genomic Findings in Human Research. <i>American Journal of Human Genetics</i> , 2016 , 98, 435-441	11	20
328	Beyond Coronary Stenosis: Coronary Computed Tomographic Angiography for the Assessment of Atherosclerotic Plaque Burden. <i>Current Cardiovascular Imaging Reports</i> , 2013 , 6, 89-101	0.7	20
327	The relationship between measures of obesity and incident heart failure: the multi-ethnic study of atherosclerosis. <i>Obesity</i> , 2013 , 21, 1915-22	8	20
326	Comparing self-reported ethnicity to genetic background measures in the context of the Multi-Ethnic Study of Atherosclerosis (MESA). <i>BMC Genetics</i> , 2011 , 12, 28	2.6	20
325	Pulmonary vein occlusion: an unanticipated complication of catheter ablation of atrial fibrillation using the anatomic circumferential approach. <i>Heart Rhythm</i> , 2004 , 1, 78-81	6.7	20

324	Surgical ventricular remodeling for multiterritory myocardial infarction: defining a new patient population. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2005 , 130, 1698-706	1.5	20
323	Human peripheral arteries: feasibility of transvenous intravascular MR imaging of the arterial wall. <i>Radiology</i> , 2005 , 235, 617-22	20.5	20
322	A comparison of prospective and retrospective respiratory navigator gating in 3D MR coronary angiography. <i>International Journal of Cardiovascular Imaging</i> , 2001 , 17, 287-94; discussion 295-6		20
321	Biomarkers of inflammation and hemostasis associated with left ventricular mass: The Multiethnic Study of Atherosclerosis (MESA). <i>International Journal of Molecular Epidemiology and Genetics</i> , 2011 , 2, 391-400	0.9	20
320	Treatment of Psoriasis With Biologic Therapy Is Associated With Improvement of Coronary Artery Plaque Lipid-Rich Necrotic Core: Results From a Prospective, Observational Study. <i>Circulation: Cardiovascular Imaging</i> , 2020 , 13, e011199	3.9	20
319	Particulate Matter Exposure and Cardiopulmonary Differences in the Multi-Ethnic Study of Atherosclerosis. <i>Environmental Health Perspectives</i> , 2016 , 124, 1166-73	8.4	20
318	Association of number of live births with left ventricular structure and function. The Multi-Ethnic Study of Atherosclerosis (MESA). <i>American Heart Journal</i> , 2012 , 163, 470-6	4.9	19
317	Comprehensive adenosine stress perfusion MRI defines the etiology of chest pain in the emergency room: Comparison with nuclear stress test. <i>Journal of Magnetic Resonance Imaging</i> , 2009 , 30, 753-62	5.6	19
316	Magnetic resonance imaging of the breast. <i>Seminars in Roentgenology</i> , 2008 , 43, 265-81	0.8	19
315	Biliary papillomatosis: CT and MR findings. <i>Journal of Computer Assisted Tomography</i> , 1998 , 22, 671-2	2.2	19
314	Myocarditis Associated with mRNA COVID-19 Vaccination. <i>Radiology</i> , 2021 , 301, E409-E411	20.5	19
313	Aortic distensibility in type 1 diabetes. <i>Diabetes Care</i> , 2013 , 36, 2380-7	14.6	18
312	Coronary vessel wall evaluation by magnetic resonance imaging in the multi-ethnic study of atherosclerosis: determinants of image quality. <i>Journal of Computer Assisted Tomography</i> , 2009 , 33, 1-7	2.2	18
311	ACR clinical statement on noninvasive cardiac imaging. <i>Journal of the American College of Radiology</i> , 2005 , 2, 471-7	3.5	18
310	Surgical ventricular restoration for advanced congestive heart failure: should pulmonary hypertension be a contraindication?. <i>Annals of Thoracic Surgery</i> , 2006 , 82, 879-88; discussion 888	2.7	18
309	Metabolic syndrome, strain, and reduced myocardial function: multi-ethnic study of atherosclerosis. <i>Arquivos Brasileiros De Cardiologia</i> , 2014 , 102, 327-35	1.2	18
308	Evaluation of optimized breath-hold and free-breathing 3D ultrashort echo time contrast agent-free MRI of the human lung. <i>Journal of Magnetic Resonance Imaging</i> , 2016 , 43, 1230-8	5.6	18
307	Imaging Publications in the COVID-19 Pandemic: Applying New Research Results to Clinical Practice. <i>Radiology</i> , 2020 , 297, E228-E231	20.5	18

306	Association Between Inflammatory Markers and Myocardial Fibrosis. <i>Hypertension</i> , 2018 , 72, 902-908	8.5	18
305	Hypertrabeculated Left Ventricular Myocardium in Relationship to Myocardial Function and Fibrosis: The Multi-Ethnic Study of Atherosclerosis. <i>Radiology</i> , 2017 , 284, 667-675	20.5	17
304	Prevalence of Unexplained Left Ventricular Hypertrophy by Cardiac Magnetic Resonance Imaging in MESA. <i>Journal of the American Heart Association</i> , 2019 , 8, e012250	6	17
303	Ability of Reduced Lung Function to Predict Development of Atrial Fibrillation in Persons Aged 45 to 84 Years (from the Multi-Ethnic Study of Atherosclerosis-Lung Study). <i>American Journal of Cardiology</i> , 2015 , 115, 1700-4	3	17
302	Ebola virus disease: radiology preparedness. <i>Radiology</i> , 2015 , 274, 527-31	20.5	17
301	Metabolic Syndrome Is Associated With Impaired Diastolic Function Independently of MRI-Derived Myocardial Extracellular Volume: The MESA Study. <i>Diabetes</i> , 2018 , 67, 1007-1012	0.9	17
300	Optimized energy of spectral coronary CT angiography for coronary plaque detection and quantification. <i>Journal of Cardiovascular Computed Tomography</i> , 2018 , 12, 108-114	2.8	17
299	2013 ACCF/ACR/ASE/ASNC/SCCT/SCMR appropriate utilization of cardiovascular imaging in heart failure: an executive summary: a joint report of the ACR Appropriateness Criteria Committee and the ACCF Appropriate Use Criteria Task Force. <i>Journal of the American College of Radiology</i> , 2013 , 10, 493-500	3.5	17
298	Electrocardiographic Impact of Myocardial Diffuse Fibrosis and Scar: MESA (Multi-Ethnic Study of Atherosclerosis). <i>Radiology</i> , 2017 , 282, 690-698	20.5	17
297	Atypical presentation of GNE myopathy with asymmetric hand weakness. <i>Neuromuscular Disorders</i> , 2014 , 24, 1063-7	2.9	17
296	Prognostic implications of left ventricular dyssynchrony for major adverse cardiovascular events in asymptomatic women and men: the Multi-Ethnic Study of Atherosclerosis. <i>Journal of the American Heart Association</i> , 2014 , 3,	6	17
295	MR proton spectroscopy for myocardial lipid deposition quantification: a quantitative comparison between 1.5T and 3T. <i>Journal of Magnetic Resonance Imaging</i> , 2012 , 36, 1222-30	5.6	17
294	Matrix metalloproteinase-9 and plasminogen activator inhibitor-1 are associated with right ventricular structure and function: the MESA-RV Study. <i>Biomarkers</i> , 2010 , 15, 731-8	2.6	17
293	MRI-guided vacuum-assisted breast biopsy: a phantom and patient evaluation of targeting accuracy. <i>Journal of Magnetic Resonance Imaging</i> , 2009 , 30, 424-9	5.6	17
292	Spatial and temporal resolution in cardiovascular MR imaging: review and recommendations. <i>Radiology</i> , 2005 , 234, 330-8	20.5	17
291	Dose requirements for a nonionic contrast agent for spiral computed tomography of the liver in rabbits. <i>Investigative Radiology</i> , 1994 , 29, 195-200	10.1	17
290	Pulsatile Load Components, Resistive Load and Incident Heart Failure: The Multi-Ethnic Study of Atherosclerosis (MESA). <i>Journal of Cardiac Failure</i> , 2016 , 22, 988-995	3.3	17
289	Regional myocardial strain measurements from 4DCT in patients with normal LV function. <i>Journal of Cardiovascular Computed Tomography</i> , 2018 , 12, 372-378	2.8	17

288	Regional infarction identification from cardiac CT images: a computer-aided biomechanical approach. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2016 , 11, 1573-83	3.9	16
287	Reference values of myocardial structure, function, and tissue composition by cardiac magnetic resonance in healthy African-Americans at 3T and their relations to serologic and cardiovascular risk factors. <i>American Journal of Cardiology</i> , 2014 , 114, 789-795	3	16
286	Integrated whole-body PET/MRI with 18F-FDG, 18F-FDOPA, and 18F-FDA in paragangliomas in comparison with PET/CT: NIH first clinical experience with a single-injection, dual-modality imaging protocol. <i>Clinical Nuclear Medicine</i> , 2014 , 39, 243-50	1.7	16
285	Surgical ventricular remodeling for patients with clinically advanced congestive heart failure and severe left ventricular dysfunction. <i>Journal of Heart and Lung Transplantation</i> , 2005 , 24, 2202-10	5.8	16
284	Imaging of thoracic aortic disease. <i>Cardiology Clinics</i> , 1999 , 17, 659-82, viii	2.5	16
283	Identification of the aberrant hepatic artery with axial spiral CT. <i>Journal of Vascular and Interventional Radiology</i> , 1995 , 6, 959-64	2.4	16
282	Gadolinium-enhanced Cardiovascular Magnetic Resonance: Administered Dose in Relationship to United States Food and Drug Administration (FDA) Guidelines. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2012 , 14, 18	6.9	16
281	Obesity Is Associated With Progression of Atherosclerosis During Statin Treatment. <i>Journal of the American Heart Association</i> , 2016 , 5,	6	16
280	Reduced long axis strain is associated with heart failure and cardiovascular events in the multi-ethnic study of Atherosclerosis. <i>Journal of Magnetic Resonance Imaging</i> , 2016 , 44, 178-85	5.6	16
279	Optimized energy of spectral CT for infarct imaging: Experimental validation with human validation. <i>Journal of Cardiovascular Computed Tomography</i> , 2017 , 11, 171-178	2.8	15
278	A multichannel block-matching denoising algorithm for spectral photon-counting CT images. <i>Medical Physics</i> , 2017 , 44, 2447-2452	4.4	15
277	Mediterranean diet score and left ventricular structure and function: the Multi-Ethnic Study of Atherosclerosis. <i>American Journal of Clinical Nutrition</i> , 2016 , 104, 595-602	7	15
276	Physical Activity, Measures of Obesity, and Cardiometabolic Risk: The Multi-Ethnic Study of Atherosclerosis (MESA). <i>Journal of Physical Activity and Health</i> , 2014 , 11, 831-837	2.5	15
275	A new twist on an old idea: a two-dimensional speckle tracking assessment of cyclosporine as a therapeutic alternative for heart failure with preserved ejection fraction. <i>Physiological Reports</i> , 2013 , 1, e00174	2.6	15
274	Regional myocardial functional patterns: Quantitative tagged magnetic resonance imaging in an adult population free of cardiovascular risk factors: The multi-ethnic study of atherosclerosis (MESA). <i>Journal of Magnetic Resonance Imaging</i> , 2015 , 42, 153-9	5.6	15
273	Partition coefficients for gadolinium chelates in the normal myocardium: comparison of gadopentetate dimeglumine and gadobenate dimeglumine. <i>Journal of Magnetic Resonance Imaging</i> , 2012 , 36, 733-7	5.6	15
272	Applications of cardiac magnetic resonance in electrophysiology. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2009 , 2, 63-71	6.4	15
271	Pulmonary function is associated with distal aortic calcium, not proximal aortic distensibility. MESA lung study. <i>COPD: Journal of Chronic Obstructive Pulmonary Disease</i> , 2011 , 8, 71-8	2	15

270	QRS prolongation in myotonic muscular dystrophy and diffuse fibrosis on cardiac magnetic resonance. <i>Magnetic Resonance in Medicine</i> , 2010 , 64, 107-14	4.4	15
269	Arterial reactivity in lower extremities is progressively reduced as cardiovascular risk factors increase: comparison with upper extremities using magnetic resonance imaging. <i>Journal of the American College of Cardiology</i> , 2007 , 49, 939-45	15.1	15
268	Musculoskeletal imaging with computed tomography and magnetic resonance imaging: when is computed tomography the study of choice?. <i>Current Problems in Diagnostic Radiology</i> , 2005 , 34, 220-37	1.6	15
267	Magnetic resonance imaging of myocardial infarct. <i>Topics in Magnetic Resonance Imaging</i> , 2000 , 11, 372-82	3.3	15
266	Left Ventricular Hypertrophy and Remodeling and Risk of Cognitive Impairment and Dementia: MESA (Multi-Ethnic Study of Atherosclerosis). <i>Hypertension</i> , 2018 , 71, 429-436	8.5	14
265	Association between Obstructive Sleep Apnea and Left Ventricular Structure by Age and Gender: the Multi-Ethnic Study of Atherosclerosis. <i>Sleep</i> , 2016 , 39, 523-9	1.1	14
264	⁶⁴ Cu-DOTA as a surrogate positron analog of Gd-DOTA for cardiac fibrosis detection with PET: pharmacokinetic study in a rat model of chronic MI. <i>Nuclear Medicine Communications</i> , 2016 , 37, 188-96	1.6	14
263	Myocardial steatosis and its association with obesity and regional ventricular dysfunction: evaluated by magnetic resonance tagging and 1H spectroscopy in healthy African Americans. <i>International Journal of Cardiology</i> , 2014 , 172, 381-387	3.2	14
262	Information maximizing component analysis of left ventricular remodeling due to myocardial infarction. <i>Journal of Translational Medicine</i> , 2015 , 13, 343	8.5	14
261	Association of subclinical atherosclerosis using carotid intima-media thickness, carotid plaque, and coronary calcium score with left ventricular dyssynchrony: the multi-ethnic Study of Atherosclerosis. <i>Atherosclerosis</i> , 2015 , 239, 412-8	3.1	14
260	Association of self-reported race/ethnicity and genetic ancestry with arterial elasticity: the Multi-Ethnic Study of Atherosclerosis (MESA). <i>Journal of the American Society of Hypertension</i> , 2011 , 5, 463-72		14
259	HIV infection and abnormal regional ventricular function. <i>International Journal of Cardiovascular Imaging</i> , 2009 , 25, 809-17	2.5	14
258	Regional left ventricular systolic function and the right ventricle: the multi-ethnic study of atherosclerosis right ventricle study. <i>Chest</i> , 2011 , 140, 310-316	5.3	14
257	Perineal descent and levator ani hernia: a dynamic magnetic resonance imaging study. <i>Diseases of the Colon and Rectum</i> , 2004 , 47, 1298-304	3.1	14
256	Magnetic resonance imaging of the liver: assessing response to treatment. <i>Topics in Magnetic Resonance Imaging</i> , 2002 , 13, 191-200	2.3	14
255	High pitch third generation dual-source CT: Coronary and cardiac visualization on routine chest CT. <i>Journal of Cardiovascular Computed Tomography</i> , 2016 , 10, 282-8	2.8	14
254	Detection of Left Ventricular Hypertrophy Using Bayesian Additive Regression Trees: The MESA. <i>Journal of the American Heart Association</i> , 2019 , 8, e009959	6	13
253	Exercise heart rates in patients with hypertrophic cardiomyopathy. <i>American Journal of Cardiology</i> , 2015 , 115, 1144-1150	3	13

252	Natural History of Myocardial Function in an Adult Human Population: Serial Longitudinal Observations From MESA. <i>JACC: Cardiovascular Imaging</i> , 2016 , 9, 1164-1173	8.4	13
251	Late gadolinium enhancement confined to the right ventricular insertion points in hypertrophic cardiomyopathy: an intermediate stage phenotype?. <i>European Heart Journal Cardiovascular Imaging</i> , 2016 , 17, 293-300	4.1	13
250	Progression of Coronary Artery Calcium and Incident Heart Failure: The Multi-Ethnic Study of Atherosclerosis. <i>Journal of the American Heart Association</i> , 2017 , 6,	6	13
249	Observer variation in the detection of acetabular bone deficiencies. <i>Skeletal Radiology</i> , 1997 , 26, 272-8	2.7	13
248	Sarcoidosis of the pancreas mimicking pancreatic cancer: CT features. <i>European Journal of Radiology</i> , 1994 , 19, 32-3	4.7	13
247	Pericardial Fat and the Risk of Heart Failure. <i>Journal of the American College of Cardiology</i> , 2021 , 77, 2638-2652	3.1	13
246	Community delivery of semiautomated fractal analysis tool in cardiac mr for trabecular phenotyping. <i>Journal of Magnetic Resonance Imaging</i> , 2017 , 46, 1082-1088	5.6	12
245	Relation of Sex Hormone Levels With Prevalent and 10-Year Change in Aortic Distensibility Assessed by MRI: The Multi-Ethnic Study of Atherosclerosis. <i>American Journal of Hypertension</i> , 2018 , 31, 774-783	2.3	12
244	Vascular inflammation in psoriasis localizes to the arterial wall using a novel imaging technique. <i>Journal of the American Academy of Dermatology</i> , 2014 , 70, 1137-8	4.5	12
243	Coronary Plaque Progression and Regression in Asymptomatic African American Chronic Cocaine Users With Obstructive Coronary Stenoses: A Preliminary Study. <i>Journal of Addiction Medicine</i> , 2017 , 11, 126-137	3.8	12
242	Orthogonal decomposition of left ventricular remodeling in myocardial infarction. <i>GigaScience</i> , 2017 , 6, 1-15	7.6	12
241	Resistive and pulsatile arterial hemodynamics and cardiovascular events: the Multiethnic Study of Atherosclerosis. <i>Journal of the American Heart Association</i> , 2014 , 3, e001223	6	12
240	H2 receptor antagonists and right ventricular morphology: the MESA right ventricle study. <i>Annals of the American Thoracic Society</i> , 2014 , 11, 1379-86	4.7	12
239	MRI to assess arrhythmia and cardiomyopathies: relationship to echocardiography. <i>Echocardiography</i> , 2007 , 24, 194-206	1.5	12
238	MRI to assess arrhythmia and cardiomyopathies. <i>Journal of Magnetic Resonance Imaging</i> , 2006 , 24, 1197-206	3.06	12
237	Response to Letter Regarding Article, Infarct Tissue Heterogeneity by Magnetic Resonance Imaging Identifies Enhanced Cardiac Arrhythmia Susceptibility in Patients With Left Ventricular Dysfunction. <i>Circulation</i> , 2007 , 116,	16.7	12
236	Breast MRI: state of the art. <i>Cancer Investigation</i> , 2007 , 25, 384-92	2.1	12
235	Transient left ventricular apical ballooning: magnetic resonance imaging evaluation. <i>Journal of Computer Assisted Tomography</i> , 2005 , 29, 34-6	2.2	12

234	Spiral CT of the liver: current applications. <i>Seminars in Ultrasound, CT and MRI</i> , 1994 , 15, 107-21	1.7	12
233	In hypertrophic cardiomyopathy reduction of relative resting myocardial blood flow is related to late enhancement, T2-signal and LV wall thickness. <i>PLoS ONE</i> , 2012 , 7, e41974	3.7	12
232	Definition of Left Ventricular Segments for Cardiac Magnetic Resonance Imaging. <i>JACC: Cardiovascular Imaging</i> , 2018 , 11, 926-928	8.4	12
231	Carotid Artery Wall Thickness and Incident Cardiovascular Events: A Comparison between US and MRI in the Multi-Ethnic Study of Atherosclerosis (MESA). <i>Radiology</i> , 2018 , 289, 649-657	20.5	12
230	Electrocardiographic Time to Intrinsicoid Deflection and Heart Failure: The Multi-Ethnic Study of Atherosclerosis. <i>Clinical Cardiology</i> , 2016 , 39, 531-6	3.3	11
229	Fibrofatty Changes: Incidence at Cardiac MR Imaging in Patients with Arrhythmogenic Right Ventricular Dysplasia/Cardiomyopathy. <i>Radiology</i> , 2016 , 280, 405-12	20.5	11
228	Diabetes mellitus and insulin resistance associate with left ventricular shape and torsion by cardiovascular magnetic resonance imaging in asymptomatic individuals from the multi-ethnic study of atherosclerosis. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2018 , 20, 53	6.9	11
227	The prospective association of Chlamydia pneumoniae and four other pathogens with development of coronary artery calcium: the multi-ethnic study of atherosclerosis (MESA). <i>Atherosclerosis</i> , 2013 , 230, 268-74	3.1	11
226	Three-dimensional T1 and T2* mapping of human lung parenchyma using interleaved saturation recovery with dual echo ultrashort echo time imaging (ITSR-DUTE). <i>Journal of Magnetic Resonance Imaging</i> , 2017 , 45, 1097-1104	5.6	11
225	Baseline assessment and comparison of arterial anatomy, hyperemic flow, and skeletal muscle perfusion in peripheral artery disease: The Cardiovascular Cell Therapy Research Network "Patients with Intermittent Claudication Injected with ALDH Bright Cells" (CCTRN PACE) study. <i>American Heart Journal</i> , 2017 , 183, 24-34	4.9	11
224	Association of menopause age and N-terminal pro brain natriuretic peptide: the Multi-Ethnic Study of Atherosclerosis. <i>Menopause</i> , 2015 , 22, 527-33	2.5	11
223	Optimized three-dimensional sodium imaging of the human heart on a clinical 3T scanner. <i>Magnetic Resonance in Medicine</i> , 2015 , 73, 623-32	4.4	11
222	The effects of applying breast compression in dynamic contrast material-enhanced MR imaging. <i>Radiology</i> , 2014 , 272, 79-90	20.5	11
221	High temporal resolution breathheld 3D FIESTA CINE imaging: validation of ventricular function in patients with chronic myocardial infarction. <i>Journal of Magnetic Resonance Imaging</i> , 2007 , 25, 1141-6	5.6	11
220	Case 83: multifocal fibrosclerosis with mediastinal-retroperitoneal involvement. <i>Radiology</i> , 2005 , 235, 829-32	20.5	11
219	Diffuse interstitial fibrosis assessed by cardiac magnetic resonance is associated with dispersion of ventricular repolarization in patients with hypertrophic cardiomyopathy. <i>Journal of Arrhythmia</i> , 2017 , 33, 201-207	1.5	10
218	Multiparametric and Multimodality Functional Radiological Imaging for Breast Cancer Diagnosis and Early Treatment Response Assessment. <i>Journal of the National Cancer Institute Monographs</i> , 2015 , 2015, 40-6	4.8	10
217	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

216	Absence of Fibrosis and Inflammation by Cardiac Magnetic Resonance Imaging in Rheumatoid Arthritis Patients with Low to Moderate Disease Activity. <i>Journal of Rheumatology</i> , 2018 , 45, 1078-1084	4.1	10
215	Association of blood pressure and aortic distensibility with P wave indices and PR interval: the multi-ethnic study of atherosclerosis (MESA). <i>Journal of Electrocardiology</i> , 2013 , 46, 359.e1-6	1.4	10
214	Bidimensional measurements of right ventricular function for prediction of survival in patients with pulmonary hypertension: comparison of reproducibility and time of analysis with volumetric cardiac magnetic resonance imaging analysis. <i>Pulmonary Circulation</i> , 2015 , 5, 527-37	2.7	10
213	A framework of whole heart extracellular volume fraction estimation for low-dose cardiac CT images. <i>IEEE Transactions on Information Technology in Biomedicine</i> , 2012 , 16, 842-51		10
212	Pericardial fat and myocardial perfusion in asymptomatic adults from the Multi-Ethnic Study of Atherosclerosis. <i>PLoS ONE</i> , 2011 , 6, e28410	3.7	10
211	Association between Cystatin C and MRI Measures of Left Ventricular Structure and Function: Multi-Ethnic Study of Atherosclerosis. <i>International Journal of Nephrology</i> , 2011 , 2011, 153868	1.7	10
210	Characterization of pediatric skeletal tumors and tumor-like conditions: specific cross-sectional imaging signs. <i>Skeletal Radiology</i> , 2006 , 35, 259-68	2.7	10
209	Cocaine use may modify HIV/ART-associated myocardial steatosis and hepatic steatosis. <i>Drug and Alcohol Dependence</i> , 2017 , 177, 84-92	4.9	10
208	Multiparametric deep learning tissue signatures for a radiological biomarker of breast cancer: Preliminary results. <i>Medical Physics</i> , 2020 , 47, 75-88	4.4	10
207	Right Ventricular Structure and Function Are Associated With Incident Atrial Fibrillation: MESA-RV Study (Multi-Ethnic Study of Atherosclerosis-Right Ventricle). <i>Circulation: Arrhythmia and Electrophysiology</i> , 2017 , 10,	6.4	9
206	Pharmacokinetics and microbiodistribution of ⁶⁴ Cu-labeled collagen-binding peptides in chronic myocardial infarction. <i>Nuclear Medicine Communications</i> , 2016 , 37, 1306-1317	1.6	9
205	Reproducibility and Changes in Vena Caval Blood Flow by Using 4D Flow MRI in Pulmonary Emphysema and Chronic Obstructive Pulmonary Disease (COPD): The Multi-Ethnic Study of Atherosclerosis (MESA) COPD Substudy. <i>Radiology</i> , 2019 , 292, 585-594	20.5	9
204	Pentraxin-3 and the right ventricle: the Multi-Ethnic Study of Atherosclerosis-Right Ventricle Study. <i>Pulmonary Circulation</i> , 2014 , 4, 250-9	2.7	9
203	Axial black blood turbo spin echo imaging of the right ventricle. <i>Magnetic Resonance in Medicine</i> , 2009 , 61, 307-14	4.4	9
202	Brachial artery diameter and the right ventricle: the Multi-Ethnic Study of Atherosclerosis-right ventricle study. <i>Chest</i> , 2012 , 142, 1399-1405	5.3	9
201	Intrabiliary MR imaging: assessment of biliary obstruction with use of an intraluminal MR receiver coil. <i>Journal of Vascular and Interventional Radiology</i> , 2006 , 17, 845-53	2.4	9
200	Cardiac MR imaging. <i>Radiologic Clinics of North America</i> , 2003 , 41, 17-28	2.3	9
199	Intrahepatic cholangiocarcinoma: findings on spiral CT during arterial portography. <i>European Journal of Radiology</i> , 1994 , 19, 37-42	4.7	9

198	Structural analysis of polymers of sickle cell hemoglobin. III. Fibers within fascicles. <i>Journal of Molecular Biology</i> , 1988 , 199, 383-8	6.5	9
197	Selective serotonin reuptake inhibitor use is associated with right ventricular structure and function: the MESA-right ventricle study. <i>PLoS ONE</i> , 2012 , 7, e30480	3.7	9
196	Noninvasive assessment of myocardial stunning from short-term coronary occlusion using tagged magnetic resonance imaging. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2000 , 2, 123-36	6.9	9
195	Explaining Radiological Emphysema Subtypes with Unsupervised Texture Prototypes: MESA COPD Study. <i>Lecture Notes in Computer Science</i> , 2017 , 2017, 69-80	0.9	9
194	Large Scale Left Ventricular Shape Atlas Using Automated Model Fitting to Contours. <i>Lecture Notes in Computer Science</i> , 2013 , 433-441	0.9	9
193	Application of machine learning to determine top predictors of noncalcified coronary burden in psoriasis: An observational cohort study. <i>Journal of the American Academy of Dermatology</i> , 2020 , 83, 1647-1653	4.5	9
192	Association Between Soluble Lectinlike Oxidized Low-Density Lipoprotein Receptor-1 and Coronary Artery Disease in Psoriasis. <i>JAMA Dermatology</i> , 2020 , 156, 151-157	5.1	9
191	Detailed analysis of association between common single nucleotide polymorphisms and subclinical atherosclerosis: The Multi-ethnic Study of Atherosclerosis. <i>Data in Brief</i> , 2016 , 7, 229-42	1.2	9
190	Vascular calcification in patients with large-vessel vasculitis compared to patients with hyperlipidemia. <i>Seminars in Arthritis and Rheumatism</i> , 2019 , 48, 1068-1073	5.3	9
189	Histamine H Receptor Polymorphisms, Myocardial Transcripts, and Heart Failure (from the Multi-Ethnic Study of Atherosclerosis and Beta-Blocker Effect on Remodeling and Gene Expression Trial). <i>American Journal of Cardiology</i> , 2018 , 121, 256-261	3	9
188	Rest and Stress Longitudinal Systolic Left Ventricular Mechanics in Hypertrophic Cardiomyopathy: Implications for Prognostication. <i>Journal of the American Society of Echocardiography</i> , 2018 , 31, 578-586	5.8	8
187	Arterial compliance across the spectrum of ankle-brachial index: the Multiethnic Study of Atherosclerosis. <i>Atherosclerosis</i> , 2014 , 233, 691-696	3.1	8
186	Cardiac MRI evaluation of hypertrophic cardiomyopathy: left ventricular outflow tract/aortic valve diameter ratio predicts severity of LVOT obstruction. <i>Journal of Magnetic Resonance Imaging</i> , 2012 , 36, 598-603	5.6	8
185	Heterogeneous distribution of myocardial steatosis--an ex vivo evaluation. <i>Magnetic Resonance in Medicine</i> , 2012 , 68, 1-7	4.4	8
184	Extracoronary abnormalities on coronary magnetic resonance angiography in the multiethnic study of atherosclerosis study: frequency and clinical significance. <i>Journal of Computer Assisted Tomography</i> , 2009 , 33, 752-4	2.2	8
183	Zero filled partial fourier phase contrast MR imaging: in vitro and in vivo assessment. <i>Journal of Magnetic Resonance Imaging</i> , 2006 , 23, 42-9	5.6	8
182	Novel cardiovascular MRI and CT methods for evaluation of ischemic heart disease. <i>Expert Review of Cardiovascular Therapy</i> , 2007 , 5, 791-802	2.5	8
181	Giant cell myocarditis depicted by cardiac magnetic resonance imaging. <i>Journal of Computer Assisted Tomography</i> , 2005 , 29, 742-4	2.2	8

180	A Novel Method for Assessing Arterial Endothelial Function Using Phase Contrast Magnetic Resonance Imaging: Vasoconstriction During Reduced Shear. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2005 , 7, 615-621	6.9	8
179	Effect of contrast concentration on abdominal enhancement in the rabbit: spiral computed tomography evaluation. <i>Academic Radiology</i> , 1995 , 2, 226-31	4.3	8
178	Structural analysis of polymers of sickle cell hemoglobin. II. Sickle hemoglobin macrofibers. <i>Journal of Molecular Biology</i> , 1988 , 199, 333-48	6.5	8
177	Association of right atrial structure with incident atrial fibrillation: a longitudinal cohort cardiovascular magnetic resonance study from the Multi-Ethnic Study of Atherosclerosis (MESA). <i>Journal of Cardiovascular Magnetic Resonance</i> , 2020 , 22, 36	6.9	8
176	Healthy aging of the left ventricle in relationship to cardiovascular risk factors: The Multi-Ethnic Study of Atherosclerosis (MESA). <i>PLoS ONE</i> , 2017 , 12, e0179947	3.7	8
175	Metabolic syndrome and its factors are associated with noncalcified coronary burden in psoriasis: An observational cohort study. <i>Journal of the American Academy of Dermatology</i> , 2021 , 84, 1329-1338	4.5	8
174	Pigmented villonodular synovitis mimics metastases on fluorine 18 fluorodeoxyglucose position emission tomography-computed tomography. <i>Quantitative Imaging in Medicine and Surgery</i> , 2016 , 6, 218-23	3.6	8
173	Association of Systemic Arterial Properties With Right Ventricular Morphology: The Multi-Ethnic Study of Atherosclerosis (MESA)-Right Ventricle Study. <i>Journal of the American Heart Association</i> , 2016 , 5,	6	8
172	Impact of COVID-19 on Cardiovascular Testing in the United States Versus the Rest of the World. <i>JACC: Cardiovascular Imaging</i> , 2021 , 14, 1787-1799	8.4	8
171	Subclinical myocardial disease by cardiac magnetic resonance imaging and spectroscopy in healthy HIV/Hepatitis C virus-coinfected persons. <i>Journal of International Medical Research</i> , 2017 , 45, 1693-1707	1.4	7
170	Chronic cocaine use and its association with myocardial steatosis evaluated by 1H magnetic resonance spectroscopy in African Americans. <i>Journal of Addiction Medicine</i> , 2015 , 9, 31-9	3.8	7
169	The Value of Cardiac Magnetic Resonance Imaging in Evaluation of Pediatric Patients for Arrhythmogenic Right Ventricular Dysplasia/Cardiomyopathy. <i>Journal of the American College of Cardiology</i> , 2015 , 66, 873-874	15.1	7
168	How to Measure the Aorta Using MRI: A Practical Guide. <i>Journal of Magnetic Resonance Imaging</i> , 2020 , 52, 971-977	5.6	7
167	Visualization of acute edema in the left atrial myocardium after radiofrequency ablation: Application of a novel high-resolution 3-dimensional magnetic resonance imaging sequence. <i>Heart Rhythm</i> , 2018 , 15, 1189-1197	6.7	7
166	Association of aortic vascular uptake of FDG by PET/CT and aortic wall thickness by MRI in psoriasis: a prospective observational study. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2019 , 46, 2488-2495	8.8	7
165	Association between reduced myocardial contraction fraction and cardiovascular disease outcomes: The Multi-Ethnic Study of Atherosclerosis. <i>International Journal of Cardiology</i> , 2019 , 293, 10-16	3.2	7
164	Electrocardiographic Strain Pattern Is Associated With Left Ventricular Concentric Remodeling, Scar, and Mortality Over 10 Years: The Multi-Ethnic Study of Atherosclerosis. <i>Journal of the American Heart Association</i> , 2017 , 6,	6	7
163	A unique presentation of cardiac sarcoidosis. <i>American Journal of Roentgenology</i> , 2003 , 180, 1738-9	5.4	7

162	Chronic inflammation in psoriasis promotes visceral adiposity associated with noncalcified coronary burden over time. <i>JCI Insight</i> , 2020 , 5,	9.9	7
161	Right ventricular morphology and the onset of dyspnea: the MESA-right ventricle study. <i>PLoS ONE</i> , 2013 , 8, e56826	3.7	7
160	Pericardial Fat and Right Ventricular Morphology: The Multi-Ethnic Study of Atherosclerosis- Right Ventricle Study (MESA-RV). <i>PLoS ONE</i> , 2016 , 11, e0157654	3.7	7
159	An Atlas for Cardiac MRI Regional Wall Motion and Infarct Scoring. <i>Lecture Notes in Computer Science</i> , 2013 , 188-197	0.9	7
158	Contribution of Risk Factors to the Development of Coronary Atherosclerosis as Confirmed via Coronary CT Angiography: A Longitudinal Radiomics-based Study. <i>Radiology</i> , 2021 , 299, 97-106	20.5	7
157	Quantitative Analysis of Adipose Depots by Using Chest CT and Associations with All-Cause Mortality in Chronic Obstructive Pulmonary Disease: Longitudinal Analysis from MESArthritis Ancillary Study. <i>Radiology</i> , 2021 , 299, 703-711	20.5	7
156	Comparing Arterial Function Parameters for the Prediction of Coronary Heart Disease Events: The Multi-Ethnic Study of Atherosclerosis (MESA). <i>American Journal of Epidemiology</i> , 2016 , 184, 894-901	3.8	7
155	Next-Generation Hardware Advances in CT: Cardiac Applications. <i>Radiology</i> , 2021 , 298, 3-17	20.5	7
154	Lipolytic Rate Associated With Intramyocardial Lipid in an HIV Cohort Without Increased Lipolysis. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2016 , 101, 151-6	5.6	6
153	Dose correction for post-contrast T1 mapping of the heart: the MESA study. <i>International Journal of Cardiovascular Imaging</i> , 2016 , 32, 271-279	2.5	6
152	Acculturation is associated with left ventricular mass in a multiethnic sample: the Multi-Ethnic Study of Atherosclerosis. <i>BMC Cardiovascular Disorders</i> , 2015 , 15, 161	2.3	6
151	Right ventricular volume analysis by angiography in right ventricular cardiomyopathy. <i>International Journal of Cardiovascular Imaging</i> , 2012 , 28, 995-1001	2.5	6
150	Cardiac CT and MRI guide surgery in impending left ventricular rupture after acute myocardial infarction. <i>Journal of Cardiothoracic Surgery</i> , 2009 , 4, 42	1.6	6
149	Hilar cholangiocarcinoma: staging with intrabiliary MRI. <i>American Journal of Roentgenology</i> , 2004 , 183, 1071-4	5.4	6
148	Magnetic resonance imaging of arrhythmogenic right ventricular dysplasia. <i>Journal of Cardiovascular Electrophysiology</i> , 2002 , 13, 1180	2.7	6
147	The restoration of electron micrographs blurred by drift and rotation. <i>Proteins: Structure, Function and Bioinformatics</i> , 1986 , 1, 176-87	4.2	6
146	Real-space reconstructions of nonideal helical particles. <i>Journal of Electron Microscopy Technique</i> , 1987 , 5, 141-151		6
145	Physical activity, measures of obesity, and cardiometabolic risk: the Multi-Ethnic Study of Atherosclerosis (MESA). <i>Journal of Physical Activity and Health</i> , 2014 , 11, 831-7	2.5	6

144	Three-Dimensional Volumetric Assessment of Diastolic Function by Cardiac Magnetic Resonance Imaging: The Multi-Ethnic Study of Atherosclerosis (MESA). <i>Arquivos Brasileiros De Cardiologia</i> , 2017 , 108, 552-563	1.2	6
143	Feature Tracking Cardiac Magnetic Resonance via Deep Learning and Spline Optimization. <i>Lecture Notes in Computer Science</i> , 2017 , 183-194	0.9	6
142	Change in NT-proBNP (N-Terminal Pro-B-Type Natriuretic Peptide) Level and Risk of Dementia in Multi-Ethnic Study of Atherosclerosis (MESA). <i>Hypertension</i> , 2020 , 75, 316-323	8.5	6
141	Association of neutrophil-to-lymphocyte ratio with non-calcified coronary artery burden in psoriasis: Findings from an observational cohort study. <i>Journal of Cardiovascular Computed Tomography</i> , 2021 , 15, 372-379	2.8	6
140	Association between central sleep apnea and left ventricular structure: the Multi-Ethnic Study of Atherosclerosis. <i>Journal of Sleep Research</i> , 2017 , 26, 477-480	5.8	5
139	CMR and CT of the Patient With Cardiac Devices: Safety, Efficacy, and Optimization Strategies. <i>JACC: Cardiovascular Imaging</i> , 2019 , 12, 890-903	8.4	5
138	Left ventricular and proximal aorta coupling in magnetic resonance imaging: aging together?. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019 , 317, H300-H307	5.2	5
137	Internal tissue references for 18Fluorodeoxyglucose vascular inflammation imaging: Implications for cardiovascular risk stratification and clinical trials. <i>PLoS ONE</i> , 2017 , 12, e0187995	3.7	5
136	Ambient Coarse Particulate Matter and the Right Ventricle: The Multi-Ethnic Study of Atherosclerosis. <i>Environmental Health Perspectives</i> , 2017 , 125, 077019	8.4	5
135	SiSSR: Simultaneous subdivision surface registration for the quantification of cardiac function from computed tomography in canines. <i>Medical Image Analysis</i> , 2018 , 46, 215-228	15.4	5
134	Pulmonary artery stiffness in chronic obstructive pulmonary disease (COPD) and emphysema: The Multi-Ethnic Study of Atherosclerosis (MESA) COPD Study. <i>Journal of Magnetic Resonance Imaging</i> , 2018 , 47, 262-271	5.6	5
133	Relation of thoracic aortic distensibility to left ventricular area (from the Multi-Ethnic Study of Atherosclerosis [MESA]). <i>American Journal of Cardiology</i> , 2014 , 113, 178-82	3	5
132	Bridging the gap for lipid lowering therapy: plaque regression, coronary computed tomographic angiography, and imaging-guided personalized medicine. <i>Expert Review of Cardiovascular Therapy</i> , 2017 , 15, 547-558	2.5	5
131	Relation between carotid intima-media thickness and left ventricular mass in type 1 diabetes mellitus (from the Epidemiology of Diabetes Interventions and Complications [EDIC] Study). <i>American Journal of Cardiology</i> , 2012 , 110, 1534-40	3	5
130	Von Willebrand factor and the right ventricle (the MESA-Right Ventricle Study). <i>American Journal of Cardiology</i> , 2012 , 110, 1846-51	3	5
129	Myocardial and blood T1 quantification in normal volunteers at 3T. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2011 , 13, P51	6.9	5
128	Simultaneous myocardial and fat suppression in magnetic resonance myocardial delayed enhancement imaging. <i>Journal of Magnetic Resonance Imaging</i> , 2007 , 26, 927-33	5.6	5
127	Atherosclerosis imaging using MR imaging: current and emerging applications. <i>Magnetic Resonance Imaging Clinics of North America</i> , 2005 , 13, 171-80, vii	1.6	5

126	Cardiovascular magnetic resonance imaging: current applications and future directions. <i>Methods in Enzymology</i> , 2004 , 386, 122-48	1.7	5
125	Cardiovascular Magnetic Resonance for Patients With COVID-19. <i>JACC: Cardiovascular Imaging</i> , 2021 ,	8.4	5
124	Aortic dissection involving an aberrant right subclavian artery: CT and MR findings. <i>Journal of Computer Assisted Tomography</i> , 1998 , 22, 918-21	2.2	5
123	Endothelin-1, cardiac morphology, and heart failure: the MESA angiogenesis study. <i>Journal of Heart and Lung Transplantation</i> , 2020 , 39, 45-52	5.8	5
122	Cardiac Autoimmunity Is Associated With Subclinical Myocardial Dysfunction in Patients With Type 1 Diabetes Mellitus. <i>Circulation</i> , 2020 , 141, 1107-1109	16.7	5
121	References Values for Left Atrial Volumes, Emptying Fractions, Strains, and Strain Rates and Their Determinants by Age, Gender, and Ethnicity: The Multiethnic Study of Atherosclerosis (MESA). <i>Academic Radiology</i> , 2021 , 28, 356-363	4.3	5
120	Association of soluble interleukin-2 receptor and tumour necrosis factor receptor 1 with heart failure: The Multi-Ethnic Study of Atherosclerosis. <i>ESC Heart Failure</i> , 2020 , 7, 639-644	3.7	4
119	Obstructive Sleep Apnea and Structural/Functional Properties of the Thoracic Ascending Aorta: The Multi-Ethnic Study of Atherosclerosis (MESA). <i>Cardiology</i> , 2019 , 142, 180-188	1.6	4
118	A framework to measure myocardial extracellular volume fraction using dual-phase low dose CT images. <i>Medical Physics</i> , 2013 , 40, 103501	4.4	4
117	Normal findings on noninvasive cardiac assessment and the prediction of heart failure: The Multi-Ethnic Study of Atherosclerosis (MESA). <i>International Journal of Cardiology</i> , 2017 , 249, 308-312	3.2	4
116	Adipokines and the Right Ventricle: The MESA-RV Study. <i>PLoS ONE</i> , 2015 , 10, e0136818	3.7	4
115	Strain-encoded breast MRI in phantom and ex vivo specimens with histological validation: preliminary results. <i>Medical Physics</i> , 2012 , 39, 7710-8	4.4	4
114	Can MR imaging provide a noninvasive "biopsy" of the heart to measure iron levels?. <i>Radiology</i> , 2005 , 234, 647-8	20.5	4
113	Quantitative differentiation of breast lesions based on three-dimensional morphology from magnetic resonance imaging. <i>Journal of Computer Assisted Tomography</i> , 2002 , 26, 1047-53	2.2	4
112	Computer-Aided Infarction Identification from Cardiac CT Images: A Biomechanical Approach with SVM. <i>Lecture Notes in Computer Science</i> , 2015 , 144-151	0.9	4
111	Aortic enlargement in chronic obstructive pulmonary disease (COPD) and emphysema: The Multi-Ethnic Study of Atherosclerosis (MESA) COPD study. <i>International Journal of Cardiology</i> , 2021 , 331, 214-220	3.2	4
110	Associations of Angiopoietins With Heart Failure Incidence and Severity. <i>Journal of Cardiac Failure</i> , 2021 , 27, 786-795	3.3	4
109	Pedal Edema as an Indicator of Early Heart Failure in the Community: Prevalence and Associations With Cardiac Structure/Function and Natriuretic Peptides (MESA [Multiethnic Study of Atherosclerosis]). <i>Circulation: Heart Failure</i> , 2016 , 9,	7.6	4

108	Retinal vascular changes and right ventricular structure and function: the MESA-Right Ventricle and MESA-Eye studies. <i>Pulmonary Circulation</i> , 2019 , 9, 2045894018819781	2.7	4
107	An Optimized Test Bolus Contrast Injection Protocol for Consistent Coronary Artery Luminal Enhancement for Coronary CT Angiography. <i>Academic Radiology</i> , 2020 , 27, 371-380	4.3	4
106	Left Atrioventricular Coupling Index as a Prognostic Marker of Cardiovascular Events: The MESA Study. <i>Hypertension</i> , 2021 , 78, 661-671	8.5	4
105	Automatic high-resolution infarct detection using volumetric multiphase dual-energy CT. <i>Journal of Cardiovascular Computed Tomography</i> , 2017 , 11, 288-294	2.8	3
104	Long T2 suppression in native lung 3-D imaging using k-space reordered inversion recovery dual-echo ultrashort echo time MRI. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2017 , 30, 387-395	2.8	3
103	New statin use and left ventricular structure: Estimating long-term associations in the Multi-Ethnic Study of Atherosclerosis (MESA). <i>Pharmacoepidemiology and Drug Safety</i> , 2018 , 27, 570-580	2.6	3
102	Part 2 - Coronary angiography with gadofosveset trisodium: a prospective intra-subject comparison for dose optimization for 100 % efficiency imaging. <i>BMC Cardiovascular Disorders</i> , 2016 , 16, 58	2.3	3
101	Progression of diffuse myocardial fibrosis assessed by cardiac magnetic resonance T1 mapping. <i>International Journal of Cardiovascular Imaging</i> , 2014 , 30, 1339-46	2.5	3
100	Chronic Obstructive Pulmonary Disease (COPD) is associated with pulmonary artery stiffness - the MESA COPD study. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2013 , 15,	6.9	3
99	Structural and Functional Correlates of Myocardial T1 Mapping in 321 Patients With Hypertrophic Cardiomyopathy. <i>Journal of Computer Assisted Tomography</i> , 2017 , 41, 653-660	2.2	3
98	Cardiac MR imaging to probe tissue composition of the heart by using T1 mapping. <i>Radiology</i> , 2014 , 271, 320-2	20.5	3
97	Myocardial T1 measurement: comparison of modified Look-Locker inversion recovery (MOLLI) and TI scout in the Multi-ethnic Study of Atherosclerosis (MESA). <i>Journal of Cardiovascular Magnetic Resonance</i> , 2012 , 14,	6.9	3
96	The cardiac atlas project: rationale, design and preliminary results. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2011 , 13,	6.9	3
95	Fully automated segmentation of long-axis MRI Strain-Encoded (SENC) images using active shape model (ASM) 2009 ,		3
94	Multiple imputation for missing with cardiac magnetic resonance imaging data: results from the Multi-Ethnic Study of Atherosclerosis (MESA). <i>Canadian Journal of Cardiology</i> , 2009 , 25, e232-5	3.8	3
93	Comparison of methods to measure heart size using noncontrast-enhanced computed tomography: correlation with left ventricular mass. <i>Journal of Computer Assisted Tomography</i> , 2008 , 32, 934-41	2.2	3
92	Interleaved acquisition of lipid and water images of the heart using a double-inversion fast spin-echo method. <i>Magnetic Resonance in Medicine</i> , 2005 , 54, 1562-8	4.4	3
91	1999 ARRS Executive Council Award. Contrast-enhanced CT of small hypovascular hepatic tumors: effect of lesion enhancement on conspicuity in rabbits. American Roentgen Ray Society. <i>American Journal of Roentgenology</i> , 2000 , 174, 471-5	5.4	3

90	Cardiac Disease in the Adult: MR Evaluation. <i>Critical Reviews in Diagnostic Imaging</i> , 1999 , 40, 203-249		3
89	Switchable multicoil array for MR micro-imaging of breast lesions. <i>Magnetic Resonance in Medicine</i> , 1999 , 41, 569-74	4.4	3
88	Orthogonal Shape Modes Describing Clinical Indices of Remodeling. <i>Lecture Notes in Computer Science</i> , 2015 , 273-281	0.9	3
87	An Alternating-Constraints Algorithm for Volume-Preserving Non-rigid Registration of Contrast-Enhanced MR Breast Images. <i>Lecture Notes in Computer Science</i> , 2003 , 291-300	0.9	3
86	Continuous Spatio-temporal Atlases of the Asymptomatic and Infarcted Hearts. <i>Lecture Notes in Computer Science</i> , 2014 , 143-151	0.9	3
85	Association Among Noncalcified Coronary Burden, Fractional Flow Reserve, and Myocardial Injury in Psoriasis. <i>Journal of the American Heart Association</i> , 2020 , 9, e017417	6	3
84	Hyperlipidaemia and IFNgamma/TNFalpha Synergism are associated with cholesterol crystal formation in Endothelial cells partly through modulation of Lysosomal pH and Cholesterol homeostasis. <i>EBioMedicine</i> , 2020 , 59, 102876	8.8	3
83	Left ventricular fibro-fatty replacement in arrhythmogenic right ventricular dysplasia/cardiomyopathy: prevalence, patterns, and association with arrhythmias. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2021 , 23, 58	6.9	3
82	Evaluation of Left Ventricular Outflow Tract Obstruction With Four-Dimensional Phase Contrast Magnetic Resonance Imaging in Patients with Hypertrophic Cardiomyopathy-A Pilot Study. <i>Journal of Computer Assisted Tomography</i> , 2016 , 40, 937-940	2.2	3
81	Association of Longitudinal Changes in NT-proBNP With Changes in Left Atrial Volume and Function: MESA. <i>American Journal of Hypertension</i> , 2021 , 34, 626-635	2.3	3
80	Opportunities to Reduce CT Radiation Exposure, Experience Over 5 Years at the NIH Clinical Center. <i>Radiation Protection Dosimetry</i> , 2017 , 175, 482-492	0.9	2
79	Exercise-QTc is associated with diffuse interstitial fibrosis reflected by lower approximated T1 relaxation time in hypertrophic cardiomyopathy patients. <i>Journal of Electrocardiology</i> , 2017 , 50, 484-490 ^{1.4}		2
78	Cardiovascular imaging environment: will the future be cloud-based?. <i>Expert Review of Medical Devices</i> , 2017 , 14, 521-528	3.5	2
77	Lessons on Quality Control in Large Scale Imaging Trials: the Multi-Ethnic Study of Atherosclerosis (MESA). <i>Current Cardiovascular Imaging Reports</i> , 2015 , 8, 1	0.7	2
76	Coronary CT Angiography and Carotid MRI Improve Phenotyping of Disease Extent Compared with ACC/AHA Risk Score Alone. <i>Radiology: Cardiothoracic Imaging</i> , 2020 , 2, e190068	8.3	2
75	Radiology: Responding to Rapid Changes in Our Field. <i>Radiology</i> , 2018 , 288, 1	20.5	2
74	Understanding the genetics of coronary artery disease through the lens of noninvasive imaging. <i>Expert Review of Cardiovascular Therapy</i> , 2012 , 10, 27-36	2.5	2
73	Cardiac magnetic resonance for risk stratification of patients with frequent premature ventricular contractions. <i>Journal of the American College of Cardiology</i> , 2011 , 57, 1636-7; author reply 1637-8	15.1	2

72	How should infarct size be measured on LGE sequences? A call for a change in the guidelines. <i>JACC: Cardiovascular Imaging</i> , 2011 , 4, 1223; author reply 1224	8.4	2
71	A cross-platform and distributive database system for cumulative tumor measurement. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2012 , 2012, 1266-9	0.9	2
70	A framework of whole heart extracellular volume fraction estimation for low dose cardiac CT images 2012 ,		2
69	Pulmonary hypertension: role of septomarginal trabeculation and moderator band complex assessed by cardiac magnetic resonance imaging. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2009 , 11,	6.9	2
68	MRI Evaluation of the Contralateral Breast in Women With Recently Diagnosed Breast Cancer. <i>Obstetrical and Gynecological Survey</i> , 2007 , 62, 456-458	2.4	2
67	Magnetic resonance imaging evaluation of surgical ventricular reconstruction. <i>Annals of Thoracic Surgery</i> , 2005 , 80, 743	2.7	2
66	Editor's Recognition Awards. <i>Radiology</i> , 2019 , 290, 1-2	20.5	2
65	The relationship between systemic inflammation and increased left ventricular mass is partly mediated by noncalcified coronary artery disease burden in psoriasis. <i>American Journal of Preventive Cardiology</i> , 2021 , 7, 100211	1.9	2
64	Prognostic implications of QRS dispersion for major adverse cardiovascular events in asymptomatic women and men: the Multi-Ethnic Study of Atherosclerosis. <i>Journal of Interventional Cardiac Electrophysiology</i> , 2019 , 56, 45-53	2.4	1
63	Baseline ST elevation and myocardial scar: Results from the multi-ethnic study of atherosclerosis. <i>Journal of Electrocardiology</i> , 2019 , 56, 29-33	1.4	1
62	Aortic pulse wave velocity in children with Cushing syndrome: A window into a marker of early cardiovascular disease. <i>Endocrinology, Diabetes and Metabolism</i> , 2019 , 2, e00054	2.7	1
61	The Power of Publishing. <i>Radiology</i> , 2018 , 286, 735-736	20.5	1
60	Response by Lerman et al to Letters Regarding Article, "Coronary Plaque Characterization in Psoriasis Reveals High-Risk Features That Improve After Treatment in a Prospective Observational Study". <i>Circulation</i> , 2018 , 137, 1092-1093	16.7	1
59	Myocardial T1 mapping and determination of partition coefficients at 3 tesla: comparison between gadobenate dimeglumine and gadofosveset trisodium. <i>Radiologia Brasileira</i> , 2018 , 51, 13-19	1.7	1
58	Reply: Resting heart rate: an independent predictor of congestive heart failure. <i>Journal of the American College of Cardiology</i> , 2014 , 64, 422	15.1	1
57	Development and evaluation of two 4D image reconstruction methods with dual respiratory and cardiac motion compensation for gated cardiac PET 2014 ,		1
56	Part 1 - Coronary angiography with gadofosveset trisodium: a prospective feasibility study evaluating injection techniques for steady-state imaging. <i>BMC Cardiovascular Disorders</i> , 2015 , 15, 177	2.3	1
55	Optimization of gadofosveset intravenous injection scheme for coronary MRA: the pharmacokinetics approach. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2014 , 16, P160	6.9	1

54	Point-guided modeling and segmentation of myocardium for low dose cardiac CT images. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2012 , 2012, 5327-30	0.9	1
53	Multicenter epidemiological studies of atherosclerosis imaging. <i>Topics in Magnetic Resonance Imaging</i> , 2009 , 20, 239-46	2.3	1
52	Subclinical disease detection: advanced imaging applications. <i>Topics in Magnetic Resonance Imaging</i> , 2007 , 18, 339-48	2.3	1
51	Evaluation and course of an unusual case of arrhythmogenic right ventricular dysplasia. <i>International Journal of Cardiovascular Imaging</i> , 2006 , 22, 269-73	2.5	1
50	Congenital coronary aneurysm resulting in myocardial infarction: MR imaging findings. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2004 , 6, 937-40	6.9	1
49	(99m)Tc sestamibi accumulation in the chest mimicking an ectopic parathyroid adenoma. <i>Seminars in Nuclear Medicine</i> , 2002 , 32, 223-7	5.4	1
48	Qual o seu diagnóstico?. <i>Radiologia Brasileira</i> , 2010 , 43, XI-XIII	1.7	1
47	HIV indirectly accelerates coronary artery disease by promoting the effects of risk factors: longitudinal observational study. <i>Scientific Reports</i> , 2021 , 11, 23110	4.9	1
46	Intraventricular Dyssynchrony Assessment Using Regional Contraction from LV Motion Models. <i>Lecture Notes in Computer Science</i> , 2013 , 458-465	0.9	1
45	Anomalous origin of left coronary artery diagnosed by magnetic resonance imaging. <i>Clinics</i> , 2010 , 65, 1215-6	2.3	1
44	Association of Pro-B-Type Natriuretic Peptide With Cardiac Magnetic Resonance-Measured Global and Regional Cardiac Function and Structure Over 10 Years: The MESA Study. <i>Journal of the American Heart Association</i> , 2021 , 10, e019243	6	1
43	Temporal change in inflammatory biomarkers and risk of cardiovascular events: the Multi-ethnic Study of Atherosclerosis. <i>ESC Heart Failure</i> , 2021 , 8, 3769-3782	3.7	1
42	Writing a Great Review for. <i>Radiology</i> , 2020 , 295, 496-498	20.5	1
41	Cardiovascular risk factors and illicit drug use may have a more profound effect on coronary atherosclerosis progression in people living with HIV. <i>European Radiology</i> , 2021 , 31, 2756-2767	8	1
40	Adipose tissue biomarkers and type 2 diabetes incidence in normoglycemic participants in the MESA Arthritis Ancillary Study: A cohort study. <i>PLoS Medicine</i> , 2021 , 18, e1003700	11.6	1
39	Left Atrioventricular Coupling Index to Predict Incident Heart Failure: The Multi-Ethnic Study of Atherosclerosis. <i>Frontiers in Cardiovascular Medicine</i> , 2021 , 8, 704611	5.4	1
38	Change in Left Atrioventricular Coupling Index to Predict Incident Atrial Fibrillation: The Multi-Ethnic Study of Atherosclerosis (MESA).. <i>Radiology</i> , 2022 , 210315	20.5	1
37	Deep learning-based atherosclerotic coronary plaque segmentation on coronary CT angiography.. <i>European Radiology</i> , 2022 , 1	8	1

36	Cardiac cine CT approaching 1'mSv: implementation and assessment of a 58-ms temporal resolution protocol. <i>International Journal of Cardiovascular Imaging</i> , 2020 , 36, 1583-1591	2.5	o
35	Deep Learning Analysis of Cardiac MRI in Legacy Datasets: Multi-Ethnic Study of Atherosclerosis.. <i>Frontiers in Cardiovascular Medicine</i> , 2021 , 8, 807728	5.4	o
34	Evaluation of liver T1 using MOLLI gradient echo readout under the influence of fat. <i>Magnetic Resonance Imaging</i> , 2022 , 85, 57-63	3.3	o
33	Change in Physical Activity and Cardiac Structure over 10 Years: The Multi-Ethnic Study of Atherosclerosis. <i>Medicine and Science in Sports and Exercise</i> , 2019 , 51, 2033-2040	1.2	o
32	Impaired Coronary Blood Flow in Patients with Psoriasis: Findings from an Observational Cohort Study. <i>Journal of Investigative Dermatology</i> , 2021 , 141, 913-916	4.3	o
31	Society for Cardiovascular Magnetic Resonance (SCMR) guidelines for reporting cardiovascular magnetic resonance examinations.. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2022 , 24, 29	6.9	o
30	Safety and Monitoring for Cardiac Magnetic Resonance Imaging. <i>Contemporary Cardiology</i> , 2019 , 145-150.1		
29	Arrhythmogenic Right Ventricular Cardiomyopathy 2019 , 410-419.e3		
28	Peer-reviewed Publications in 2020: Still Needed?. <i>Radiology</i> , 2020 , 295, 495	20.5	
27	Cardiovascular imaging in 2013: New era of evidence-based medicine with noninvasive imaging. <i>Nature Reviews Cardiology</i> , 2014 , 11, 74-6	14.8	
26	Imaging in Clinical Trials 2012 , 597-617		
25	Invited commentary. <i>Radiographics</i> , 2013 , 33, 2001-2	5.4	
24	MR perfusion imaging in breast cancer255-280		
23	Magnetic fields and the brain at high field strengths what do we know?. <i>Academic Radiology</i> , 2010 , 17, 269-70	4.3	
22	Case of the season: right upper quadrant pain and jaundice during pregnancy. <i>Seminars in Roentgenology</i> , 2008 , 43, 262-4	0.8	
21	Safety Considerations of Current and Evolving CMR Techniques and Hardware43-54		
20	Assessment of Right Ventricular Dysplasia. <i>Current Protocols in Magnetic Resonance Imaging</i> , 2003 , 10, A10.2.1		
19	Body MRI. <i>American Journal of Roentgenology</i> , 2001 , 177, 90-90	5.4	

- 18 Renal oncocytoma arising in an irradiated field. *Clinical Imaging*, **1994**, 18, 65-7 2.7
- 17 MR and CT Imaging **2007**, 135-146
- 16 Genitourinary Imaging **2006**, 425-441
- 15 Structural analysis of sickle hemoglobin fibers. *Proceedings Annual Meeting Electron Microscopy Society of America*, **1987**, 45, 742-743
- 14 The structure of sickle hemoglobin fibers within fascicles. *Proceedings Annual Meeting Electron Microscopy Society of America*, **1987**, 45, 744-745
- 13 Intermediate Markers Underlying Electrocardiographic Predictors of Incident Atrial Fibrillation: the MESA. *Circulation: Arrhythmia and Electrophysiology*, **2021**, CIRCEP121009805 6.4
- 12 Safety and Monitoring for Cardiac Magnetic Resonance Imaging **2008**, 255-268
- 11 Imaging of Nonischemic Cardiomyopathy. *IDKD Springer Series*, **2019**, 189-197 1.1
- 10 The Cardiac Atlas Project: Rationale, Design and Procedures. *Lecture Notes in Computer Science*, **2010**, 36-45 0.9
- 9 Atria and Pulmonary Veins **2010**, 81-86
- 8 Maximum Likelihood Correction of Shape Bias Arising from Imaging Protocol: Application to Cardiac MRI. *Lecture Notes in Computer Science*, **2012**, 214-223 0.9
- 7 Left Atrial Remodeling Assessed by Serial Longitudinal Cardiac MRI in MESA. *JACC: Cardiovascular Imaging*, **2021**, 14, 1678-1680 8.4
- 6 Abdominal subcutaneous adipose tissue negatively associates with subclinical coronary artery disease in men with psoriasis. *American Journal of Preventive Cardiology*, **2021**, 8, 100231 1.9
- 5 Deep Learning-based Automated Aortic Area and Distensibility Assessment: the Multi-Ethnic Study of Atherosclerosis (MESA).. *Journal of Digital Imaging*, **2022**, 1 5.3
- 4 Association of coronary artery calcification and thoracic aortic calcification with incident peripheral arterial disease in the Multi-Ethnic Study of Atherosclerosis (MESA).. *European Heart Journal Open*, **2021**, 1, oeab042
- 3 Association of Quantified Costal Cartilage Calcification and Long-Term Cumulative Blood Glucose Exposure: The Multi-Ethnic Study of Atherosclerosis.. *Frontiers in Endocrinology*, **2021**, 12, 785957 5.7
- 2 A novel method for assessing arterial endothelial function using phase contrast magnetic resonance imaging: vasoconstriction during reduced shear. *Journal of Cardiovascular Magnetic Resonance*, **2005**, 7, 615-21 6.9
- 1 MRI determination of myocardial viability 9-15

