

# Richard D White

## List of Publications by Citations

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145  
papers

7,973  
citations

45  
h-index

87  
g-index

149  
ext. papers

8,955  
ext. citations

5.2  
avg, IF

5.25  
L-index

#	Paper	IF	Citations
145	Measurement of ventricular torsion by two-dimensional ultrasound speckle tracking imaging. <i>Journal of the American College of Cardiology</i> , <b>2005</b> , 45, 2034-41	15.1	609
144	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> , <b>2010</b> , 55, 2614-62	15.1	461
143	American Society of Echocardiography clinical recommendations for multimodality cardiovascular imaging of patients with pericardial disease: endorsed by the Society for Cardiovascular Magnetic Resonance and Society of Cardiovascular Computed Tomography. <i>Journal of the American Society of Echocardiography</i> , <b>2013</b> , 26, 965-1012.e15	5.8	419
142	Self-gated cardiac cine MRI. <i>Magnetic Resonance in Medicine</i> , <b>2004</b> , 51, 93-102	4.4	313
141	Clinical, imaging, and pathological characteristics of left ventricular thrombus: a comparison of contrast-enhanced magnetic resonance imaging, transthoracic echocardiography, and transesophageal echocardiography with surgical or pathological validation. <i>American Heart Journal</i> , <b>2004</b> , 148, 75-84	4.9	298
140	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> , <b>2010</b> , 121, 2462-508	16.7	248
139	Takayasu arteritis: utility and limitations of magnetic resonance imaging in diagnosis and treatment. <i>Arthritis and Rheumatism</i> , <b>2002</b> , 46, 1634-42		216
138	Evaluation of a QRS scoring system for estimating myocardial infarct size. II. Correlation with quantitative anatomic findings for anterior infarcts. <i>American Journal of Cardiology</i> , <b>1982</b> , 49, 1604-14	3	213
137	Pulmonary vein stenosis after catheter ablation of atrial fibrillation: emergence of a new clinical syndrome. <i>Annals of Internal Medicine</i> , <b>2003</b> , 138, 634-8	8	200
136	Coronary artery calcium: a multi-institutional, multimanufacturer international standard for quantification at cardiac CT. <i>Radiology</i> , <b>2007</b> , 243, 527-38	20.5	198
135	Assessment of left ventricular torsional deformation by Doppler tissue imaging: validation study with tagged magnetic resonance imaging. <i>Circulation</i> , <b>2005</b> , 111, 1141-7	16.7	185
134	Evaluation of a QRS scoring system for estimating myocardial infarct size. III. Correlation with quantitative anatomic findings for inferior infarcts. <i>American Journal of Cardiology</i> , <b>1983</b> , 51, 382-9	3	161
133	MR Imaging of arrhythmogenic right ventricular cardiomyopathy: morphologic findings and interobserver reliability. <i>Cardiology</i> , <b>2003</b> , 99, 153-62	1.6	155
132	Right ventricular outflow tract ventricular tachycardia: detection of previously unrecognized anatomic abnormalities using cine magnetic resonance imaging. <i>Journal of the American College of Cardiology</i> , <b>1994</b> , 24, 720-7	15.1	155
131	Noninvasive imaging of coronary arteries: current and future role of multi-detector row CT. <i>Radiology</i> , <b>2004</b> , 232, 7-17	20.5	139
130	Regional left ventricular wall thickening by magnetic resonance imaging: evaluation in normal persons and patients with global and regional dysfunction. <i>American Journal of Cardiology</i> , <b>1987</b> , 59, 145-51	3	138
129	Automated Critical Test Findings Identification and Online Notification System Using Artificial Intelligence in Imaging. <i>Radiology</i> , <b>2017</b> , 285, 923-931	20.5	132

128	Validation of real-time three-dimensional echocardiography for quantifying left ventricular volumes in the presence of a left ventricular aneurysm: in vitro and in vivo studies. <i>Journal of the American College of Cardiology</i> , <b>2000</b> , 36, 900-7	15.1	123
127	Non-invasive assessment of plaque morphology and remodeling in mildly stenotic coronary segments: comparison of 16-slice computed tomography and intravascular ultrasound. <i>Coronary Artery Disease</i> , <b>2003</b> , 14, 459-62	1.4	121
126	Retrospective cardiac gating: a review of technical aspects and future directions. <i>Magnetic Resonance Imaging</i> , <b>1989</b> , 7, 445-55	3.3	121
125	Evaluation of a QRS scoring system for estimating myocardial infarct size. IV. Correlation with quantitative anatomic findings for posterolateral infarcts. <i>American Journal of Cardiology</i> , <b>1984</b> , 53, 706-14	3.4	121
124	Transcatheter angioplasty for acquired pulmonary vein stenosis after radiofrequency ablation. <i>Circulation</i> , <b>2003</b> , 108, 1336-42	16.7	120
123	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> , <b>2013</b> , 61, 2207-21	15.1	112
122	Prognostic utility of 64-slice computed tomography in patients with suspected but no documented coronary artery disease. <i>European Heart Journal</i> , <b>2009</b> , 30, 362-71	9.5	104
121	Multidetector computed tomographic angiography in planning of reoperative cardiothoracic surgery. <i>Annals of Thoracic Surgery</i> , <b>2008</b> , 85, 1239-45	2.7	103
120	Automated rectilinear self-gated cardiac cine imaging. <i>Magnetic Resonance in Medicine</i> , <b>2004</b> , 52, 782-8	4.4	102
119	Differentiation of constrictive pericarditis from restrictive cardiomyopathy by Doppler transesophageal echocardiographic measurements of respiratory variations in pulmonary venous flow. <i>Journal of the American College of Cardiology</i> , <b>1993</b> , 22, 1935-43	15.1	95
118	Prognostic value of routine cardiac magnetic resonance assessment of left ventricular ejection fraction and myocardial damage: an international, multicenter study. <i>Circulation: Cardiovascular Imaging</i> , <b>2011</b> , 4, 610-9	3.9	94
117	Measuring aortic pulse wave velocity using high-field cardiovascular magnetic resonance: comparison of techniques. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2010</b> , 12, 26	6.9	84
116	Nonstress delayed-enhancement magnetic resonance imaging of the myocardium predicts improvement of function after revascularization for chronic ischemic heart disease with left ventricular dysfunction. <i>American Heart Journal</i> , <b>2003</b> , 146, 535-41	4.9	82
115	Initial clinical experience of real-time three-dimensional echocardiography in patients with ischemic and idiopathic dilated cardiomyopathy. <i>American Journal of Cardiology</i> , <b>1999</b> , 84, 1068-73	3	77
114	Do segmented reconstruction algorithms for cardiac multi-slice computed tomography improve image quality?. <i>Herz</i> , <b>2003</b> , 28, 20-31	2.6	69
113	Evaluation of left ventricular dysfunction using multiphasic reconstructions of coronary multi-slice computed tomography data in patients with chronic ischemic heart disease: validation against cine magnetic resonance imaging. <i>International Journal of Cardiovascular Imaging</i> , <b>2003</b> , 19, 73-83		68
112	Development of patient-specific three-dimensional pediatric cardiac models. <i>ASAIO Journal</i> , <b>2006</b> , 52, 349-53	3.6	67
111	Quantitative assessment of myocardial scar in delayed enhancement magnetic resonance imaging. <i>Journal of Magnetic Resonance Imaging</i> , <b>2003</b> , 18, 434-41	5.6	63

110	Segmentation of non-viable myocardium in delayed enhancement magnetic resonance images. <i>International Journal of Cardiovascular Imaging</i> , <b>2005</b> , 21, 303-11	2.5	62
109	Ischemic mitral regurgitation: impact of the left ventricle and mitral valve in patients with left ventricular systolic dysfunction. <i>Annals of Thoracic Surgery</i> , <b>2005</b> , 80, 170-8	2.7	58
108	Persistent abnormal left ventricular systolic torsion in dilated cardiomyopathy after partial left ventriculectomy. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2003</b> , 126, 48-55	1.5	58
107	CT Gray-Level Texture Analysis as a Quantitative Imaging Biomarker of Epidermal Growth Factor Receptor Mutation Status in Adenocarcinoma of the Lung. <i>American Journal of Roentgenology</i> , <b>2015</b> , 205, 1016-25	5.4	56
106	Contrast enhancement of coronary atherosclerotic plaque: a high-resolution, multidetector-row computed tomography study of pressure-perfused, human ex-vivo coronary arteries. <i>Coronary Artery Disease</i> , <b>2006</b> , 17, 553-60	1.4	55
105	ACR Appropriateness Criteria acute chest pain--suspected pulmonary embolism. <i>Journal of Thoracic Imaging</i> , <b>2012</b> , 27, W28-31	5.6	54
104	Validation of cine phase-contrast MR imaging for motion analysis. <i>Journal of Magnetic Resonance Imaging</i> , <b>1995</b> , 5, 331-8	5.6	53
103	Noninvasive evaluation of suspected thoracic aortic disease by contrast-enhanced computed tomography. <i>American Journal of Cardiology</i> , <b>1986</b> , 57, 282-90	3	52
102	ACC/AHA/ACR/ASE/ASNC/HRS/NASCI/RSNA/SAIP/SCAI/SCCT/SCMR/SIR 2008 Key Data Elements and Definitions for Cardiac Imaging A Report of the American College of Cardiology/American Heart Association Task Force on Clinical Data Standards (Writing Committee to Develop Clinical Data Standards for Cardiac Imaging). <i>Journal of the American College of Cardiology</i> , <b>2009</b> , 53, 91-124	15.1	51
101	Comparison of ability to identify left atrial thrombus by three-dimensional tomography versus transesophageal echocardiography in patients with atrial fibrillation. <i>American Journal of Cardiology</i> , <b>2004</b> , 93, 486-9	3	46
100	Pilot study of coronary atherosclerotic risk and plaque burden in HIV patients: call for cardiovascular prevention. <i>Atherosclerosis</i> , <b>2002</b> , 163, 349-54	3.1	45
99	Quantitative clinical assessment of chronic anterior myocardial infarction with delayed enhancement magnetic resonance imaging and QRS scoring. <i>American Heart Journal</i> , <b>2003</b> , 146, 359-66	4.9	43
98	Measuring age-dependent myocardial stiffness across the cardiac cycle using MR elastography: A reproducibility study. <i>Magnetic Resonance in Medicine</i> , <b>2016</b> , 75, 1586-93	4.4	42
97	Left ventricular torsional mechanics after left ventricular reconstruction surgery for ischemic cardiomyopathy. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2007</b> , 134, 888-96	1.5	41
96	Imaging of cardiac and paracardiac masses. <i>Journal of Thoracic Imaging</i> , <b>2000</b> , 15, 265-73	5.6	41
95	Segmental evaluation of left ventricular wall motion after myocardial infarction: magnetic resonance imaging versus echocardiography. <i>American Heart Journal</i> , <b>1988</b> , 115, 166-75	4.9	39
94	The clinical application of T2-weighted magnetic resonance imaging in the assessment of Takayasu arteritis. <i>International Journal of Cardiology</i> , <b>1998</b> , 66 Suppl 1, S151-9; discussion S161	3.2	38
93	ACR practice guideline for the performance and interpretation of cardiac magnetic resonance imaging (MRI). <i>Journal of the American College of Radiology</i> , <b>2006</b> , 3, 665-76	3.5	37

92	Determinant of left atrial dilation in patients with hypertrophic cardiomyopathy: a real-time 3-dimensional echocardiographic study. <i>Journal of the American Society of Echocardiography</i> , <b>2004</b> , 17, 968-75	5.8	37
91	Detection of pulmonary vein stenosis by transesophageal echocardiography: comparison with multidetector computed tomography. <i>American Heart Journal</i> , <b>2007</b> , 153, 800-6	4.9	32
90	Quantification of aortic stiffness using MR elastography and its comparison to MRI-based pulse wave velocity. <i>Journal of Magnetic Resonance Imaging</i> , <b>2015</b> , 41, 44-51	5.6	31
89	24/7/365 in-house radiologist coverage: effect on resident education. <i>Academic Radiology</i> , <b>2014</b> , 21, 842-50	4.3	30
88	Mitral annular motion as a surrogate for left ventricular ejection fraction: real-time three-dimensional echocardiography and magnetic resonance imaging studies. <i>European Journal of Echocardiography</i> , <b>2004</b> , 5, 407-15		29
87	Coregistered MR imaging myocardial viability maps and multi-detector row CT coronary angiography displays for surgical revascularization planning: initial experience. <i>Radiology</i> , <b>2005</b> , 237, 465-73	20.5	28
86	Quantification of aortic stiffness using magnetic resonance elastography: Measurement reproducibility, pulse wave velocity comparison, changes over cardiac cycle, and relationship with age. <i>Magnetic Resonance in Medicine</i> , <b>2016</b> , 75, 1920-6	4.4	27
85	Electrocardiograph-independent, "wireless" cardiovascular cine MR imaging. <i>Journal of Magnetic Resonance Imaging</i> , <b>1991</b> , 1, 347-55	5.6	27
84	The accuracy of left ventricular mass determined by real-time three-dimensional echocardiography in chronic animal and clinical studies: a comparison with postmortem examination and magnetic resonance imaging. <i>Journal of the American Society of Echocardiography</i> , <b>2005</b> , 18, 1037-43	5.8	26
83	Quantification of abdominal aortic aneurysm stiffness using magnetic resonance elastography and its comparison to aneurysm diameter. <i>Journal of Vascular Surgery</i> , <b>2016</b> , 64, 966-74	3.5	25
82	Assessment of pulmonary artery stiffness using velocity-encoding magnetic resonance imaging: evaluation of techniques. <i>Magnetic Resonance Imaging</i> , <b>2011</b> , 29, 966-74	3.3	25
81	2015 ACR/ACC/AHA/AATS/ACEP/ASNC/NASCI/SAEM/SCCT/SCMR/SCPC/SNMMI/STR/STS Appropriate Utilization of Cardiovascular Imaging in Emergency Department Patients With Chest Pain: A Joint Document of the American College of Radiology Appropriateness Criteria Committee	3.5	24
80	2013 appropriate utilization of cardiovascular imaging: a methodology for the development of joint criteria for the appropriate utilization of cardiovascular imaging by the American College of Cardiology Foundation and American College of Radiology. <i>Journal of the American College of Cardiology</i> , <b>2013</b> , 61, 2199-206	15.1	24
79	Quantification and comparison of 4D-flow MRI-derived wall shear stress and MRE-derived wall stiffness of the abdominal aorta. <i>Journal of Magnetic Resonance Imaging</i> , <b>2017</b> , 45, 771-778	5.6	23
78	Rapid acquisition technique for MR elastography of the liver. <i>Magnetic Resonance Imaging</i> , <b>2014</b> , 32, 679-83	3.3	23
77	Structured reporting: coronary CT angiography: a white paper from the American College of Radiology and the North American Society for Cardiovascular Imaging. <i>Journal of the American College of Radiology</i> , <b>2008</b> , 5, 796-800	3.5	23
76	Clinical blood flow quantification with segmented k-space magnetic resonance phase velocity mapping. <i>Journal of Magnetic Resonance Imaging</i> , <b>2003</b> , 17, 65-71	5.6	23
75	Images in cardiovascular medicine. Pulmonary vein stenosis after catheter ablation of atrial arrhythmias. <i>Circulation</i> , <b>2002</b> , 105, 2571-2	16.7	23

74	ACR Appropriateness Criteria <sup>□</sup> on chest pain, suggestive of acute coronary syndrome. <i>Journal of the American College of Radiology</i> , <b>2011</b> , 8, 12-8	3.5	20
73	Integrating AI into radiology workflow: levels of research, production, and feedback maturity. <i>Journal of Medical Imaging</i> , <b>2020</b> , 7, 016502	2.6	20
72	Quantification of Delayed Enhancement MR Images. <i>Lecture Notes in Computer Science</i> , <b>2004</b> , 250-257	0.9	20
71	In vivo quantification of myocardial stiffness in hypertensive porcine hearts using MR elastography. <i>Journal of Magnetic Resonance Imaging</i> , <b>2017</b> , 45, 813-820	5.6	19
70	ACR Appropriateness Criteria <sup>(□)</sup> acute nonspecific chest pain-low probability of coronary artery disease. <i>Journal of the American College of Radiology</i> , <b>2012</b> , 9, 745-50	3.5	19
69	MR and CT assessment for ischemic cardiac disease. <i>Journal of Magnetic Resonance Imaging</i> , <b>2004</b> , 19, 659-75	5.6	19
68	Magnetic resonance imaging of thoracic vascular disease. <i>Journal of Thoracic Imaging</i> , <b>1989</b> , 4, 34-50	5.6	19
67	Automated Brain Metastases Detection Framework for T1-Weighted Contrast-Enhanced 3D MRI. <i>IEEE Journal of Biomedical and Health Informatics</i> , <b>2020</b> , 24, 2883-2893	7.2	18
66	Effect of inversion time on delayed-enhancement magnetic resonance imaging with and without phase-sensitive reconstruction. <i>Journal of Magnetic Resonance Imaging</i> , <b>2005</b> , 21, 650-5	5.6	18
65	Potential clinical impact of variability in the measurement of coronary artery calcification with sequential MDCT. <i>American Journal of Roentgenology</i> , <b>2005</b> , 184, 643-8	5.4	18
64	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 <sup>□</sup> Committee and the ACCF Appropriate Use Criteria Task Force. <i>Journal of the American College of Radiology</i> , <b>2013</b> , 10, 493-500	3.5	17
63	Cardiovascular magnetic resonance for the assessment of pulmonary arterial hypertension: toward a comprehensive CMR exam. <i>Magnetic Resonance Imaging</i> , <b>2012</b> , 30, 1047-58	3.3	17
62	Right-left asymmetry of cell proliferation predominates in mouse embryos undergoing clockwise axial rotation. <i>The Anatomical Record</i> , <b>1998</b> , 250, 103-8		16
61	Noninvasive quantification of fluid mechanical energy losses in the total cavopulmonary connection with magnetic resonance phase velocity mapping. <i>Magnetic Resonance Imaging</i> , <b>2007</b> , 25, 101-9	3.3	16
60	Noninvasive assessment of cardiac mechanics and clinical outcome after partial left ventriculectomy. <i>Annals of Thoracic Surgery</i> , <b>2003</b> , 76, 1576-85; discussion 1585-6	2.7	15
59	Radiology report turnaround time: effect on resident education. <i>Academic Radiology</i> , <b>2015</b> , 22, 662-7	4.3	14
58	2013 appropriate utilization of cardiovascular imaging: a methodology for the development of joint criteria for the appropriate utilization of cardiovascular imaging by the American College of Cardiology Foundation and American College of Radiology. <i>Journal of the American College of Radiology</i> , <b>2013</b> , 10, 456-63	3.5	14
57	Effects of surgical ventricular restoration on left ventricular function: dynamic MR imaging. <i>Radiology</i> , <b>2006</b> , 241, 710-7	20.5	14

56	In vivo quantification of aortic stiffness using MR elastography in hypertensive porcine model. <i>Magnetic Resonance in Medicine</i> , <b>2017</b> , 78, 2315-2321	4.4	13
55	Assessment of cardiac iron deposition in sickle cell disease using 3.0 Tesla cardiovascular magnetic resonance. <i>Hemoglobin</i> , <b>2012</b> , 36, 343-61	0.6	13
54	Patient-specific contrast injection protocols for cardiovascular multidetector row computed tomography. <i>Journal of Computer Assisted Tomography</i> , <b>2007</b> , 31, 281-9	2.2	13
53	Automated coronary artery atherosclerosis detection and weakly supervised localization on coronary CT angiography with a deep 3-dimensional convolutional neural network. <i>Computerized Medical Imaging and Graphics</i> , <b>2020</b> , 83, 101721	7.6	12
52	In vivo magnetic resonance elastography to estimate left ventricular stiffness in a myocardial infarction induced porcine model. <i>Journal of Magnetic Resonance Imaging</i> , <b>2017</b> , 45, 1024-1033	5.6	12
51	The relationship between aortic stiffness and E/A filling ratio and myocardial strain in the context of left ventricular diastolic dysfunction in heart failure with normal ejection fraction: insights from magnetic resonance imaging. <i>Magnetic Resonance Imaging</i> , <b>2011</b> , 29, 1222-34	3.3	12
50	ACR Appropriateness Criteria□ chronic chest pain--high probability of coronary artery disease. <i>Journal of the American College of Radiology</i> , <b>2011</b> , 8, 679-86	3.5	12
49	Relationship between the extent of non-viable myocardium and regional left ventricular function in chronic ischemic heart disease. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2005</b> , 7, 573-9	6.9	12
48	Quantification of myocardial stiffness using magnetic resonance elastography in right ventricular hypertrophy: initial feasibility in dogs. <i>Magnetic Resonance Imaging</i> , <b>2016</b> , 34, 26-34	3.3	11
47	Integrated approach to evaluating coronary artery disease and ischemic heart disease. <i>American Journal of Cardiology</i> , <b>2002</b> , 90, 49L-55L	3	11
46	ACR Appropriateness Criteria chronic chest pain-low to intermediate probability of coronary artery disease. <i>Journal of the American College of Radiology</i> , <b>2013</b> , 10, 329-34	3.5	10
45	Ultrafast flow quantification with segmented k-space magnetic resonance phase velocity mapping. <i>Annals of Biomedical Engineering</i> , <b>2002</b> , 30, 120-8	4.7	10
44	Role of transesophageal echocardiography in assessing diastolic dysfunction in a large clinical practice: a 9-year experience. <i>American Heart Journal</i> , <b>1999</b> , 138, 880-9	4.9	10
43	A User Interface for Optimizing Radiologist Engagement in Image Data Curation for Artificial Intelligence. <i>Radiology: Artificial Intelligence</i> , <b>2019</b> , 1, e180095	8.7	10
42	Performance of a Deep Neural Network Algorithm Based on a Small Medical Image Dataset: Incremental Impact of 3D-to-2D Reformation Combined with Novel Data Augmentation, Photometric Conversion, or Transfer Learning. <i>Journal of Digital Imaging</i> , <b>2020</b> , 33, 431-438	5.3	10
41	Diffusion Tensor Imaging of Healthy and Infarcted Porcine Hearts: Study on the Impact of Formalin Fixation. <i>Journal of Medical Imaging and Radiation Sciences</i> , <b>2016</b> , 47, 74-85	1.4	9
40	Cine delayed-enhancement MR imaging of the heart: initial experience. <i>Radiology</i> , <b>2006</b> , 239, 856-62	20.5	9
39	Acute dissection of the descending aorta: noncommunicating versus communicating forms. <i>Annals of Thoracic Surgery</i> , <b>2004</b> , 77, 2012-20; discussion 2020	2.7	9

38	Non-invasive coronary angiography with multi-detector computed tomography: comparison to conventional X-ray angiography. <i>International Journal of Cardiovascular Imaging</i> , <b>2005</b> , 21, 63-72	2.5	9
37	Dynamic magnetic resonance imaging assessment of the effect of ventricular wall curvature on regional function in hypertrophic cardiomyopathy. <i>American Journal of Cardiology</i> , <b>1996</b> , 77, 618-22	3	9
36	Influence of coronary artery stenosis severity and coronary collateralization on extent of chronic myocardial scar: insights from quantitative coronary angiography and delayed-enhancement MRI. <i>Open Cardiovascular Medicine Journal</i> , <b>2008</b> , 2, 79-86	0.7	9
35	Giant left atrium. <i>Circulation</i> , <b>2001</b> , 104, E28-9	16.7	8
34	Functional cardiovascular evaluation by magnetic resonance imaging. <i>Topics in Magnetic Resonance Imaging</i> , <b>1990</b> , 2, 31-48	2.3	8
33	Are quantitative features of lung nodules reproducible at different CT acquisition and reconstruction parameters?. <i>PLoS ONE</i> , <b>2020</b> , 15, e0240184	3.7	8
32	Steady-state first-pass perfusion (SSFPP): a new approach to 3D first-pass myocardial perfusion imaging. <i>Magnetic Resonance in Medicine</i> , <b>2014</b> , 71, 133-44	4.4	7
31	Registration of 3D CT angiography and cardiac MR images in coronary artery disease patients. <i>International Journal of Cardiovascular Imaging</i> , <b>2003</b> , 19, 281-93		7
30	Semi-automatic segmentation of nonviable cardiac tissue using cine and delayed enhancement magnetic resonance images <b>2003</b> , 5031, 242		7
29	Extent of myocardial scarring on nonstress delayed-contrast-enhancement cardiac magnetic resonance imaging correlates directly with degrees of resting regional dysfunction in chronic ischemic heart disease. <i>American Heart Journal</i> , <b>2004</b> , 148, 342-8	4.9	7
28	Advances and Future Direction of Magnetic Resonance Elastography. <i>Topics in Magnetic Resonance Imaging</i> , <b>2018</b> , 27, 363-384	2.3	7
27	Cardiovascular MR imaging: current level of clinical activity. <i>Journal of Magnetic Resonance Imaging</i> , <b>1992</b> , 2, 365-70	5.6	6
26	ACR Appropriateness Criteria Suspected New-Onset and Known Nonacute Heart Failure. <i>Journal of the American College of Radiology</i> , <b>2018</b> , 15, S418-S431	3.5	5
25	Development and validation of techniques for quantitative clinical assessment of myocardial infarction by electrocardiography and MRI. <i>Journal of Electrocardiology</i> , <b>2002</b> , 35 Suppl, 203-4	1.4	4
24	Predicting rate of cognitive decline at baseline using a deep neural network with multidata analysis. <i>Journal of Medical Imaging</i> , <b>2020</b> , 7, 044501	2.6	4
23	Images in cardiovascular medicine. Interrupted aortic arch with bilateral ductus arteriosi and bilateral aberrant subclavian arteries. <i>Circulation</i> , <b>2006</b> , 113, e863-5	16.7	3
22	Fast measurements of flow through mitral regurgitant orifices with magnetic resonance phase velocity mapping. <i>Annals of Biomedical Engineering</i> , <b>2004</b> , 32, 1618-27	4.7	3
21	Myectomy site thrombus formation: an underappreciated source of thromboembolism after septal myectomy. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2002</b> , 123, 562-4	1.5	3



20	Artificial Intelligence to Assist in Exclusion of Coronary Atherosclerosis During CCTA Evaluation of Chest Pain in the Emergency Department: Preparing an Application for Real-world Use. <i>Journal of Digital Imaging</i> , <b>2021</b> , 34, 554-571	5.3	3
19	Tracking and analysis of cine-delayed enhancement MR. <i>Lecture Notes in Computer Science</i> , <b>2005</b> , 8, 692-700	7.0	3
18	Using Transfer Learning and Class Activation Maps Supporting Detection and Localization of Femoral Fractures on Anteroposterior Radiographs <b>2020</b> ,		2
17	ACR appropriateness criteria□ nonischemic myocardial disease with clinical manifestations (ischemic cardiomyopathy already excluded). <i>Journal of Thoracic Imaging</i> , <b>2014</b> , 29, W44-7	5.6	2
16	MRI of the heart: promises fulfilled?. <i>Cleveland Clinic Journal of Medicine</i> , <b>2006</b> , 73, 663-70	2.8	2
15	Constrained generative adversarial network ensembles for sharable synthetic medical images. <i>Journal of Medical Imaging</i> , <b>2021</b> , 8, 024004	2.6	2
14	Effects of Patient Size and Radiation Dose on Iodine Quantification in Dual-Source Dual-Energy CT. <i>Academic Radiology</i> , <b>2021</b> , 28, 96-105	4.3	2
13	Magnetic resonance elastography for estimating in vivo stiffness of the abdominal aorta using cardiac-gated spin-echo echo-planar imaging: a feasibility study. <i>NMR in Biomedicine</i> , <b>2021</b> , 34, e4420	4.4	2
12	MR elastography as a method to estimate aortic stiffness and its comparison against MR based pulse wave velocity measurement. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2013</b> , 15,	6.9	1
11	Reliable in-plane velocity measurements with magnetic resonance velocity imaging. <i>Flow Measurement and Instrumentation</i> , <b>2006</b> , 17, 75-80	2.2	1
10	Current and future clinical applications of contrast-enhanced cardiac CT: the clinician's perspective. <i>International Journal of Cardiovascular Imaging</i> , <b>2001</b> , 17, 477-8		1
9	Viable myocardium in reperfused acute myocardial infarction: rest and stress first-pass mr imaging. <i>Journal of Korean Medical Science</i> , <b>2001</b> , 16, 294-302	4.7	1
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