

Andrew E Arai

List of Publications by Year in descending order

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Version: 2024-02-01

276
papers

23,226
citations

8172

76
h-index

8852

145
g-index

281
all docs

281
docs citations

281
times ranked

16774
citing authors

#	ARTICLE	IF	CITATIONS
1	Phase-sensitive inversion recovery for detecting myocardial infarction using gadolinium-delayed hyperenhancement. <i>Magnetic Resonance in Medicine</i> , 2002, 47, 372-383.	1.9	941
2	Retrospective Determination of the Area at Risk for Reperfused Acute Myocardial Infarction With T2-Weighted Cardiac Magnetic Resonance Imaging. <i>Circulation</i> , 2006, 113, 1865-1870.	1.6	902
3	Myocardial T1 mapping and extracellular volume quantification: a Society for Cardiovascular Magnetic Resonance (SCMR) and CMR Working Group of the European Society of Cardiology consensus statement. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2013, 15, 92.	1.6	864
4	ACUTE T2-FLAIR-SSFP: A hybrid method for T2-weighted imaging of edema in the heart. <i>Magnetic Resonance in Medicine</i> , 2008, 59, 229-235.	1.9	536
5	Multimodality Imaging of Diseases of the Thoracic Aorta in Adults: From the American Society of Echocardiography and the European Association of Cardiovascular Imaging. <i>Journal of the American Society of Echocardiography</i> , 2015, 28, 119-182.	1.2	500
6	Extracellular volume imaging by magnetic resonance imaging provides insights into overt and sub-clinical myocardial pathology. <i>European Heart Journal</i> , 2012, 33, 1268-1278.	1.0	482
7	Motion corrected free-breathing delayed-enhancement imaging of myocardial infarction using nonrigid registration. <i>Journal of Magnetic Resonance Imaging</i> , 2007, 26, 184-190.	1.9	470
8	Ionizing Radiation in Cardiac Imaging. <i>Circulation</i> , 2009, 119, 1056-1065.	1.6	467
9	Safety of Magnetic Resonance Imaging in Patients With Cardiovascular Devices. <i>Circulation</i> , 2007, 116, 2878-2891.	1.6	447
10	Using Magnetic Resonance Imaging to Characterize Recent Myocardial Injury. <i>Circulation</i> , 2008, 118, 795-796.	1.6	437
11	Role of Noninvasive Testing in the Clinical Evaluation of Women With Suspected Coronary Artery Disease. <i>Circulation</i> , 2005, 111, 682-696.	1.6	425
12	MultiContrast Delayed Enhancement (MCODE) improves detection of subendocardial myocardial infarction by late gadolinium enhancement cardiovascular magnetic resonance: a clinical validation study. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2012, 14, 86.	1.6	420
13	Cardiovascular Function in Multi-Ethnic Study of Atherosclerosis: Normal Values by Age, Sex, and Ethnicity. <i>American Journal of Roentgenology</i> , 2006, 186, S357-S365.	1.0	398
14	Computed tomography angiography and perfusion to assess coronary artery stenosis causing perfusion defects by single photon emission computed tomography: the CORE320 study. <i>European Heart Journal</i> , 2014, 35, 1120-1130.	1.0	385
15	Detecting Acute Coronary Syndrome in the Emergency Department With Cardiac Magnetic Resonance Imaging. <i>Circulation</i> , 2003, 107, 531-537.	1.6	328
16	Extracellular volume fraction mapping in the myocardium, part 1: evaluation of an automated method. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2012, 14, 60.	1.6	323
17	Carotid Artery Atherosclerosis: In Vivo Morphologic Characterization with Gadolinium-enhanced Double-oblique MR Imaging—Initial Results. <i>Radiology</i> , 2002, 223, 566-573.	3.6	313
18	Stem Cells for Myocardial Regeneration. <i>Circulation Research</i> , 2002, 91, 1092-1102.	2.0	304

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19	Cardiovascular Function and Treatment in β^2 -Thalassemia Major. <i>Circulation</i> , 2013, 128, 281-308.	1.6	301
20	Gadolinium delayed enhancement cardiovascular magnetic resonance correlates with clinical measures of myocardial infarction. <i>Journal of the American College of Cardiology</i> , 2004, 43, 2253-2259.	1.2	292
21	Prognosis of Negative Adenosine Stress Magnetic Resonance in Patients Presenting to an Emergency Department With Chest Pain. <i>Journal of the American College of Cardiology</i> , 2006, 47, 1427-1432.	1.2	285
22	Myocardial Edema as Detected by Pre-Contrast T1 and T2 CMR Delineates Area at Risk Associated With Acute Myocardial Infarction. <i>JACC: Cardiovascular Imaging</i> , 2012, 5, 596-603.	2.3	283
23	The Impact of Obesity on the Left Ventricle. <i>JACC: Cardiovascular Imaging</i> , 2010, 3, 266-274.	2.3	277
24	Absolute Myocardial Perfusion in Canines Measured by Using Dual-Bolus First-Pass MR Imaging. <i>Radiology</i> , 2004, 232, 677-684.	3.6	271
25	The ClinSeq Project: Piloting large-scale genome sequencing for research in genomic medicine. <i>Genome Research</i> , 2009, 19, 1665-1674.	2.4	236
26	Cardiac MRI Endpoints in Myocardial Infarction Experimental and Clinical Trials. <i>Journal of the American College of Cardiology</i> , 2019, 74, 238-256.	1.2	235
27	Prevalence and Prognosis of Unrecognized Myocardial Infarction Determined by Cardiac Magnetic Resonance in Older Adults. <i>JAMA - Journal of the American Medical Association</i> , 2012, 308, 890.	3.8	234
28	Extracellular volume fraction mapping in the myocardium, part 2: initial clinical experience. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2012, 14, 61.	1.6	223
29	T2-prepared SSFP improves diagnostic confidence in edema imaging in acute myocardial infarction compared to turbo spin echo. <i>Magnetic Resonance in Medicine</i> , 2007, 57, 891-897.	1.9	219
30	Outcomes and Risks of Granulocyte Colony-Stimulating Factor in Patients With Coronary Artery Disease. <i>Journal of the American College of Cardiology</i> , 2005, 46, 1643-1648.	1.2	206
31	New Horizons in Cardioprotection. <i>Circulation</i> , 2011, 124, 1172-1179.	1.6	200
32	Motion correction for myocardial T1 mapping using image registration with synthetic image estimation. <i>Magnetic Resonance in Medicine</i> , 2012, 67, 1644-1655.	1.9	187
33	Cardiac Magnetic Resonance Stress Perfusion Imaging for Evaluation of Patients With Chest Pain. <i>Journal of the American College of Cardiology</i> , 2019, 74, 1741-1755.	1.2	177
34	Preliminary investigation of respiratory self-gating for free-breathing segmented cine MRI. <i>Magnetic Resonance in Medicine</i> , 2005, 53, 159-168.	1.9	172
35	Assessment of Myocardial Microstructural Dynamics by In Vivo Diffusion Tensor Cardiac Magnetic Resonance. <i>Journal of the American College of Cardiology</i> , 2017, 69, 661-676.	1.2	171
36	Comparative Definitions for Moderate-Severe Ischemia in Stress Nuclear, Echocardiography, and Magnetic Resonance Imaging. <i>JACC: Cardiovascular Imaging</i> , 2014, 7, 593-604.	2.3	168

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37	Trabeculated (Noncompacted) and Compact Myocardium in Adults. <i>Circulation: Cardiovascular Imaging</i> , 2012, 5, 357-366.	1.3	165
38	Elevated Cerebral Blood Flow Velocities in Fabry Disease With Reversal After Enzyme Replacement. <i>Stroke</i> , 2002, 33, 525-531.	1.0	161
39	Nitrite Anion Provides Potent Cytoprotective and Antiapoptotic Effects as Adjunctive Therapy to Reperfusion for Acute Myocardial Infarction. <i>Circulation</i> , 2008, 117, 2986-2994.	1.6	157
40	Late Gadolinium-Enhancement Cardiac Magnetic Resonance Identifies Postinfarction Myocardial Fibrosis and the Border Zone at the Near Cellular Level in Ex Vivo Rat Heart. <i>Circulation: Cardiovascular Imaging</i> , 2010, 3, 743-752.	1.3	156
41	Radiation Dose from Single-Heartbeat Coronary CT Angiography Performed with a 320â€“Detector Row Volume Scanner. <i>Radiology</i> , 2010, 254, 698-706.	3.6	155
42	Quantitative myocardial infarction on delayed enhancement MRI. Part I: Animal validation of an automated feature analysis and combined thresholding infarct sizing algorithm. <i>Journal of Magnetic Resonance Imaging</i> , 2006, 23, 298-308.	1.9	154
43	Submillisievert Median Radiation Dose for Coronary Angiography with a Second-Generation 320â€“Detector Row CT Scanner in 107 Consecutive Patients. <i>Radiology</i> , 2013, 267, 76-85.	3.6	153
44	Regeneration of myocardial phosphocreatine in pigs despite continued moderate ischemia.. <i>Circulation Research</i> , 1990, 67, 1481-1493.	2.0	150
45	Aortic Valve Disease in Turner Syndrome. <i>Journal of the American College of Cardiology</i> , 2008, 51, 1904-1909.	1.2	148
46	Anthracycline-Associated T1 Mapping Characteristics Are Elevated Independent of the Presence of Cardiovascular Comorbidities in Cancer Survivors. <i>Circulation: Cardiovascular Imaging</i> , 2016, 9, .	1.3	145
47	Myocardial T1 and extracellular volume fraction mapping at 3 tesla. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2011, 13, 75.	1.6	144
48	B-type natriuretic peptide and C-reactive protein in the prediction of atrial fibrillation risk: the CHARGE-AF Consortium of community-based cohort studies. <i>Europace</i> , 2014, 16, 1426-1433.	0.7	144
49	T1 and extracellular volume mapping in the heart: estimation of error maps and the influence of noise on precision. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2013, 15, 56.	1.6	143
50	Noncontrast myocardial T_1 mapping using cardiovascular magnetic resonance for iron overload. <i>Journal of Magnetic Resonance Imaging</i> , 2015, 41, 1505-1511.	1.9	139
51	Cardiac imaging techniques for physicians: Late enhancement. <i>Journal of Magnetic Resonance Imaging</i> , 2012, 36, 529-542.	1.9	136
52	Quantitative myocardial perfusion analysis with a dual-bolus contrast-enhanced first-pass MRI technique in humans. <i>Journal of Magnetic Resonance Imaging</i> , 2006, 23, 315-322.	1.9	130
53	Cardiovascular Magnetic Resonance in Acute ST-Segmentâ€“Elevation Myocardial Infarction. <i>Circulation</i> , 2018, 137, 1949-1964.	1.6	128
54	Imaging Sequences for First Pass Perfusion - A Review. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2007, 9, 525-537.	1.6	126

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55	Active downregulation of myocardial energy requirements during prolonged moderate ischemia in swine.. Circulation Research, 1991, 69, 1458-1469.	2.0	123
56	Real-time three-dimensional echocardiography for measurement of left ventricular volumes. American Journal of Cardiology, 1999, 84, 1434-1439.	0.7	120
57	A Quantitative Pixel-Wise Measurement of Myocardial Blood Flow by Contrast-Enhanced First-Pass CMR Perfusion Imaging. JACC: Cardiovascular Imaging, 2012, 5, 154-166.	2.3	120
58	Hypertrophic Cardiomyopathy Caused by a Novel Î±-Tropomyosin Mutation (V95A) Is Associated With Mild Cardiac Phenotype, Abnormal Calcium Binding to Troponin, Abnormal Myosin Cycling, and Poor Prognosis. Circulation, 2001, 103, 65-71.	1.6	118
59	Motion-corrected free-breathing delayed enhancement imaging of myocardial infarction. Magnetic Resonance in Medicine, 2005, 53, 194-200.	1.9	115
60	Multiecho dixon fat and water separation method for detecting fibrofatty infiltration in the myocardium. Magnetic Resonance in Medicine, 2009, 61, 215-221.	1.9	115
61	Magnetic Resonance Imaging Delineates the Ischemic Area at Risk and Myocardial Salvage in Patients With Acute Myocardial Infarction. Circulation: Cardiovascular Imaging, 2010, 3, 527-535.	1.3	114
62	Diagnostic Performance of Combined Noninvasive Coronary Angiography and Myocardial Perfusion Imaging Using 320-MDCT: The CT Angiography and Perfusion Methods of the CORE320 Multicenter Multinational Diagnostic Study. American Journal of Roentgenology, 2011, 197, 829-837.	1.0	113
63	Diagnostic Performance of Fully Automated Pixel-Wise Quantitative Myocardial Perfusion Imaging by Cardiovascular Magnetic Resonance. JACC: Cardiovascular Imaging, 2018, 11, 697-707.	2.3	105
64	Assessment of regional systolic and diastolic dysfunction in familial hypertrophic cardiomyopathy using MR tagging. Magnetic Resonance in Medicine, 2003, 50, 638-642.	1.9	102
65	Myocardial T1 mapping with MRI: Comparison of lookâ€locker and MOLLI sequences. Journal of Magnetic Resonance Imaging, 2011, 34, 1367-1373.	1.9	98
66	Diagnostic Accuracy of Stress Perfusion CMR in Comparison With Quantitative Coronary Angiography. JACC: Cardiovascular Imaging, 2014, 7, 14-22.	2.3	97
67	Mechanisms of Myocardial Ischemia in Hypertrophic Cardiomyopathy. Journal of the American College of Cardiology, 2016, 68, 1651-1660.	1.2	92
68	Phaseâ€sensitive inversion recovery for myocardial <i>T</i>₁ mapping with motion correction and parametric fitting. Magnetic Resonance in Medicine, 2013, 69, 1408-1420.	1.9	90
69	In Vivo T2-Weighted Magnetic Resonance Imaging Can Accurately Determine the Ischemic Area at Risk for 2-Day-Old Nonreperfused Myocardial Infarction. Investigative Radiology, 2008, 43, 7-15.	3.5	88
70	Determinants and normal values of ascending aortic diameter by age, gender, and race/ethnicity in the Multiâ€Ethnic Study of Atherosclerosis (MESA). Journal of Magnetic Resonance Imaging, 2014, 39, 360-368.	1.9	88
71	High spatial and temporal resolution cardiac cine MRI from retrospective reconstruction of data acquired in real time using motion correction and resorting. Magnetic Resonance in Medicine, 2009, 62, 1557-1564.	1.9	87
72	Influence of Off-resonance in myocardial T1-mapping using SSFP based MOLLI method. Journal of Cardiovascular Magnetic Resonance, 2013, 15, 63.	1.6	85

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73	Segmentedk-space fast cardiac imaging using an echo-train readout. <i>Magnetic Resonance in Medicine</i> , 1999, 41, 609-613.	1.9	81
74	Left atrial volumetric remodeling is predictive of functional capacity in nonobstructive hypertrophic cardiomyopathy. <i>American Heart Journal</i> , 2005, 149, 730-736.	1.2	80
75	Characterization of myocardial T1-mapping bias caused by intramyocardial fat in inversion recovery and saturation recovery techniques. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2015, 17, 33.	1.6	80
76	Cardiac Involvement with Lymphoma: A Review of the Literature. <i>Clinical Lymphoma and Myeloma</i> , 2008, 8, 249-252.	1.4	78
77	Retrospective reconstruction of high temporal resolution cine images from real-time MRI using iterative motion correction. <i>Magnetic Resonance in Medicine</i> , 2012, 68, 741-750.	1.9	78
78	Bicuspid aortic valve and aortic coarctation are linked to deletion of the X chromosome short arm in Turner syndrome. <i>Journal of Medical Genetics</i> , 2013, 50, 662-665.	1.5	78
79	Quantitative myocardial infarction on delayed enhancement MRI. Part II: Clinical application of an automated feature analysis and combined thresholding infarct sizing algorithm. <i>Journal of Magnetic Resonance Imaging</i> , 2006, 23, 309-314.	1.9	77
80	Diagnostic performance of combined noninvasive coronary angiography and myocardial perfusion imaging using 320 row detector computed tomography: design and implementation of the CORE320 multicenter, multinational diagnostic study. <i>Journal of Cardiovascular Computed Tomography</i> , 2011, 5, 370-381.	0.7	77
81	Assessment of cardiac ischaemia and viability: role of cardiovascular magnetic resonance. <i>European Heart Journal</i> , 2011, 32, 799-809.	1.0	77
82	Estimation of absolute myocardial blood flow during first-pass MR perfusion imaging using a dual-bolus injection technique: Comparison to single-bolus injection method. <i>Journal of Magnetic Resonance Imaging</i> , 2008, 27, 1271-1277.	1.9	76
83	Simulated 50% radiation dose reduction in coronary CT angiography using adaptive iterative dose reduction in three-dimensions (AIDR3D). <i>International Journal of Cardiovascular Imaging</i> , 2013, 29, 1167-1175.	0.7	76
84	High spatial and temporal resolution retrospective cine cardiovascular magnetic resonance from shortened free breathing real-time acquisitions. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2013, 15, 102.	1.6	75
85	Spectroscopic Determination of Cytochrome c Oxidase Content in Tissues Containing Myoglobin or Hemoglobin. <i>Analytical Biochemistry</i> , 1996, 237, 274-278.	1.1	74
86	Prognostic Value of Combined CT Angiography and Myocardial Perfusion Imaging versus Invasive Coronary Angiography and Nuclear Stress Perfusion Imaging in the Prediction of Major Adverse Cardiovascular Events: The CORE320 Multicenter Study. <i>Radiology</i> , 2017, 284, 55-65.	3.6	74
87	Myocardial velocity gradient imaging by phase contrast MRI with application to regional function in myocardial ischemia. <i>Magnetic Resonance in Medicine</i> , 1999, 42, 98-109.	1.9	73
88	Coronary microvascular ischemia in hypertrophic cardiomyopathy - a pixel-wise quantitative cardiovascular magnetic resonance perfusion study. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2014, 16, 49.	1.6	73
89	Genetic dysregulation of endothelin-1 is implicated in coronary microvascular dysfunction. <i>European Heart Journal</i> , 2020, 41, 3239-3252.	1.0	73
90	Multislice first-pass cardiac perfusion MRI: Validation in a model of myocardial infarction. <i>Magnetic Resonance in Medicine</i> , 2002, 47, 482-491.	1.9	72

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91	Myocardial Fat Imaging. <i>Current Cardiovascular Imaging Reports</i> , 2010, 3, 83-91.	0.4	72
92	Apheresis as novel treatment for refractory angina with raised lipoprotein(a): a randomized controlled cross-over trial. <i>European Heart Journal</i> , 2017, 38, 1561-1569.	1.0	71
93	Regadenoson and adenosine are equivalent vasodilators and are superior than dipyridamole- a study of first pass quantitative perfusion cardiovascular magnetic resonance. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2013, 15, 85.	1.6	69
94	Prevalence and prognosis of ischaemic and non-ischaemic myocardial fibrosis in older adults. <i>European Heart Journal</i> , 2019, 40, 529-538.	1.0	69
95	Coronary Artery Anomalies and Variants: Technical Feasibility of Assessment with Coronary MR Angiography at 3 T. <i>Radiology</i> , 2008, 247, 220-227.	3.6	66
96	Fully automatic, retrospective enhancement of real-time acquired cardiac cine MR images using image-based navigators and respiratory motion-corrected averaging. <i>Magnetic Resonance in Medicine</i> , 2008, 59, 771-778.	1.9	64
97	Treatment late effects in long-term survivors of pediatric sarcoma. <i>Pediatric Blood and Cancer</i> , 2007, 48, 192-199.	0.8	63
98	Coronary artery aneurysms in patients with hyper IgE recurrent infection syndrome. <i>Clinical Immunology</i> , 2007, 122, 255-258.	1.4	63
99	Magnetic Resonance First-Pass Myocardial Perfusion Imaging. <i>Topics in Magnetic Resonance Imaging</i> , 2000, 11, 383-398.	0.7	62
100	Function, Metabolic, and Flow Heterogeneity of the Heart. <i>Circulation Research</i> , 2001, 88, 265-267.	2.0	61
101	Using cardiac phase order reconstruction (CAPTOR): A method to improve diastolic images. <i>Journal of Magnetic Resonance Imaging</i> , 1997, 7, 794-798.	1.9	60
102	Tenascin-X Haploinsufficiency Associated with Ehlers-Danlos Syndrome in Patients with Congenital Adrenal Hyperplasia. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2013, 98, E379-E387.	1.8	59
103	Increased myocardial native T1 and extracellular volume in patients with Duchenne muscular dystrophy. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2016, 18, 5.	1.6	59
104	Arterial wall MRI characteristics are associated with elevated serum markers of inflammation in humans. <i>Journal of Magnetic Resonance Imaging</i> , 2001, 14, 698-704.	1.9	58
105	Response to myocardial ischemia as a regulated process.. <i>Circulation</i> , 1991, 84, 2580-2587.	1.6	57
106	Bright-Blood T ₂ -Weighted MRI Has High Diagnostic Accuracy for Myocardial Hemorrhage in Myocardial Infarction. <i>Circulation: Cardiovascular Imaging</i> , 2011, 4, 738-745.	1.3	57
107	Nonlinear myocardial signal intensity correction improves quantification of contrast-enhanced first-pass MR perfusion in humans. <i>Journal of Magnetic Resonance Imaging</i> , 2008, 27, 793-801.	1.9	56
108	Cripto-1 Is Required for Hypoxia to Induce Cardiac Differentiation of Mouse Embryonic Stem Cells. <i>American Journal of Pathology</i> , 2009, 175, 2146-2158.	1.9	54

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109	Broadening the Spectrum of Ehlers Danlos Syndrome in Patients With Congenital Adrenal Hyperplasia. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2015, 100, E1143-E1152.	1.8	51
110	Myocardial oxygenation in vivo: optical spectroscopy of cytoplasmic myoglobin and mitochondrial cytochromes. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1999, 277, H683-H697.	1.5	50
111	Cardiac Hemodynamics are Linked With Structural and Functional Features of Brain Aging: The Age, Gene/Environment Susceptibility (AGES)â€Reykjavik Study. <i>Journal of the American Heart Association</i> , 2015, 4, e001294.	1.6	50
112	Metabolic Adaptation to a Gradual Reduction in Myocardial Blood Flow. <i>Circulation</i> , 1995, 92, 244-252.	1.6	50
113	Accuracy of Computed Tomographic Angiography and Single-Photon Emission Computed Tomographyâ€Acquired Myocardial Perfusion Imaging for the Diagnosis of Coronary Artery Disease. <i>Circulation: Cardiovascular Imaging</i> , 2015, 8, e003533.	1.3	49
114	Microvascular Dysfunction in Dilatedâ€Cardiomyopathy. <i>JACC: Cardiovascular Imaging</i> , 2019, 12, 1699-1708.	2.3	49
115	Multicontrast delayed enhancement provides improved contrast between myocardial infarction and blood pool. <i>Journal of Magnetic Resonance Imaging</i> , 2005, 22, 605-613.	1.9	46
116	Outcomes of Hospitalized Patients with Non-Acute Coronary Syndrome and Elevated Cardiac Troponin Level. <i>American Journal of Medicine</i> , 2011, 124, 630-635.	0.6	46
117	The cardiac magnetic resonance (CMR) approach to assessing myocardial viability. <i>Journal of Nuclear Cardiology</i> , 2011, 18, 1095-1102.	1.4	46
118	Dynamic stress computed tomography myocardial perfusion for detecting myocardial ischemia: A systematic review and meta-analysis. <i>International Journal of Cardiology</i> , 2018, 258, 325-331.	0.8	46
119	Visualization of aortic valve leaflets using black blood MRI. <i>Journal of Magnetic Resonance Imaging</i> , 1999, 10, 771-777.	1.9	45
120	3D breath-held cardiac function with projection reconstruction in steady state free precession validated using 2D cine MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2004, 20, 411-416.	1.9	45
121	Severe Meningoencephalitis in a Case of Ebola Virus Disease: A Case Report. <i>Annals of Internal Medicine</i> , 2016, 165, 301.	2.0	45
122	Fast method for correcting image misregistration due to organ motion in time-series MRI data. <i>Magnetic Resonance in Medicine</i> , 2003, 49, 506-514.	1.9	44
123	Long-term safety of cardiac magnetic resonance imaging performed in the first few days after bare-metal stent implantation. <i>Journal of Magnetic Resonance Imaging</i> , 2006, 24, 1056-1061.	1.9	44
124	Direct injection of autologous mesenchymal stromal cells improves myocardial function. <i>Biochemical and Biophysical Research Communications</i> , 2009, 390, 902-907.	1.0	44
125	Heterogeneity of Intramural Function in Hypertrophic Cardiomyopathy. <i>Circulation: Cardiovascular Imaging</i> , 2011, 4, 425-434.	1.3	44
126	Controversies in Cardiovascular MR Imaging: Reasons Why Imaging Myocardial T2 Has Clinical and Pathophysiologic Value in Acute Myocardial Infarction. <i>Radiology</i> , 2012, 265, 23-32.	3.6	43

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127	Nonsyndromic hearing loss DFNA10 and a novel mutation ofEYA4: Evidence for correlation of normal cardiac phenotype with truncating mutations of the Eya domain. American Journal of Medical Genetics, Part A, 2007, 143A, 1592-1598.	0.7	42
128	Spectrum of Aortic Valve Abnormalities Associated With Aortic Dilation Across Age Groups in Turner Syndrome. Circulation: Cardiovascular Imaging, 2013, 6, 1018-1023.	1.3	42
129	Optimized saturation recovery protocols for T1-mapping in the heart: influence of sampling strategies on precision. Journal of Cardiovascular Magnetic Resonance, 2014, 16, 55.	1.6	42
130	T1 Mapping and Extracellular Volume Fraction in Dilated Cardiomyopathy. JACC: Cardiovascular Imaging, 2022, 15, 578-590.	2.3	40
131	Stunned, Infarcted, and Normal Myocardium in Dogs: Simultaneous Differentiation by Using Gadolinium-enhanced Cine MR Imaging with Magnetization Transfer Contrast. Radiology, 2003, 226, 723-730.	3.6	39
132	Association of Unrecognized Myocardial Infarction With Long-term Outcomes in Community-Dwelling Older Adults. JAMA Cardiology, 2018, 3, 1101.	3.0	39
133	Gadobutrol-Enhanced Cardiac Magnetic Resonance Imaging for Detection of Coronary Artery Disease. Journal of the American College of Cardiology, 2020, 76, 1536-1547.	1.2	38
134	Prognostic value of T1 mapping and extracellular volume fraction in cardiovascular disease: a systematic review and meta-analysis. Heart Failure Reviews, 2018, 23, 723-731.	1.7	37
135	Imaging of Clinically Unrecognized Myocardial Fibrosis in Patients With Suspected Coronary Artery Disease. Journal of the American College of Cardiology, 2020, 76, 945-957.	1.2	36
136	Magnetic Resonance Imaging for Area at Risk, Myocardial Infarction, and Myocardial Salvage. Journal of Cardiovascular Pharmacology and Therapeutics, 2011, 16, 313-320.	1.0	35
137	Distinction of salvaged and infarcted myocardium within the ischaemic area-at-risk with T2 mapping. European Heart Journal Cardiovascular Imaging, 2014, 15, 1048-1053.	0.5	35
138	Myocardial T2* mapping: influence of noise on accuracy and precision. Journal of Cardiovascular Magnetic Resonance, 2015, 17, 7.	1.6	35
139	Wash-in kinetics for gadolinium-enhanced magnetic resonance imaging of carotid atheroma. Journal of Magnetic Resonance Imaging, 2005, 21, 91-95.	1.9	34
140	Imaging of myocardial infarction for diagnosis and intervention using real-time interactive MRI without ECG-gating or breath-holding. Magnetic Resonance in Medicine, 2004, 52, 354-361.	1.9	32
141	DENSE with SENSE. Journal of Magnetic Resonance, 2005, 176, 99-106.	1.2	32
142	Safety and tolerability of regadenoson CMR. European Heart Journal Cardiovascular Imaging, 2014, 15, 753-760.	0.5	31
143	Saturation pulse design for quantitative myocardial T1 mapping. Journal of Cardiovascular Magnetic Resonance, 2015, 17, 84.	1.6	31
144	Feasibility of coronary calcium and stent image subtraction using 320-detector row CT angiography. Journal of Cardiovascular Computed Tomography, 2015, 9, 393-398.	0.7	31

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145	Incremental diagnostic accuracy of computed tomography myocardial perfusion imaging over coronary angiography stratified by pre-test probability of coronary artery disease and severity of coronary artery calcification: The CORE320 study. <i>International Journal of Cardiology</i> , 2015, 201, 570-577.	0.8	31
146	Correlation of CT-based regional cardiac function (SQUEEZ) with myocardial strain calculated from tagged MRI: an experimental study. <i>International Journal of Cardiovascular Imaging</i> , 2016, 32, 817-823.	0.7	31
147	Characteristics of cardiomyopathy in Alstr�m syndrome: Prospective single-center data on 38 patients. <i>Molecular Genetics and Metabolism</i> , 2017, 121, 336-343.	0.5	31
148	Unsupervised Inline Analysis of Cardiac Perfusion MRI. <i>Lecture Notes in Computer Science</i> , 2009, 12, 741-749.	1.0	31
149	Integrative DNA, RNA, and Protein Evidence Connects TREML4 to Coronary Artery Calcification. <i>American Journal of Human Genetics</i> , 2014, 95, 66-76.	2.6	30
150	Mechanisms for overestimating acute myocardial infarct size with gadolinium-enhanced cardiovascular magnetic resonance imaging in humans: a quantitative and kinetic study. <i>European Heart Journal Cardiovascular Imaging</i> , 2015, 17, jev123.	0.5	30
151	Optimization of fast cardiac imaging using an echo-train readout. <i>Journal of Magnetic Resonance Imaging</i> , 2000, 11, 75-80.	1.9	29
152	Determining Canine Myocardial Area at Risk with Manganese-enhanced MR Imaging. <i>Radiology</i> , 2005, 236, 859-866.	3.6	29
153	Free-breathing T2* mapping using respiratory motion corrected averaging. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2015, 17, 3.	1.6	29
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