Andrew E Arai

List of Publications by Year
in descending order

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Version: 2024-02-01

276	23,226	8172	8852
papers	citations	76	145
		h-index	g-index

281	281	281	16774
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Prognostic Value of Stress Cardiac Magnetic Resonance in Patients With Known Coronary Artery Disease. JACC: Cardiovascular Imaging, 2022, 15, 60-71.	2.3	10
2	T1 Mapping and Extracellular Volume Fraction in Dilated Cardiomyopathy. JACC: Cardiovascular Imaging, 2022, 15, 578-590.	2.3	40
3	Society forÃ‚Â CardiovascularÃ‚Â MagneticÃ‚Â Resonance perspective on the 2021 AHA/ACC Chest Pain Guidelines. Journal of Cardiovascular Magnetic Resonance, 2022, 24, 8.	1.6	5
4	Reliable segmentation of 2D cardiac magnetic resonance perfusion image sequences using time as the 3rd dimension. European Radiology, 2021, 31, 3941-3950.	2.3	2
5	Automated Segmental Analysis of Fully Quantitative Myocardial Blood Flow Maps by First-Pass Perfusion Cardiovascular Magnetic Resonance. IEEE Access, 2021, 9, 52796-52811.	2.6	11
6	Cardiovascular magnetic resonance predictors of heart failure in hypertrophic cardiomyopathy: the role of myocardial replacement fibrosis and the microcirculation. Journal of Cardiovascular Magnetic Resonance, 2021, 23, 26.	1.6	11
7	Cardiothoracic imaging findings of Proteus syndrome. Scientific Reports, 2021, 11, 6577.	1.6	4
8	Pericardial Perivascular Epithelioid Cell Neoplasm. Radiology: Cardiothoracic Imaging, 2021, 3, e200532.	0.9	0
9	Prognostic value of noninvasive combined anatomic/functional assessment by cardiac CT in patients with suspected coronary artery disease â€" Comparison with invasive coronary angiography and nuclear myocardial perfusion imaging for the five-year-follow up of the CORE320 multicenter study. Journal of Cardiovascular Computed Tomography, 2021, 15, 485-491.	0.7	9
10	Ischemic Heart Disease: Noninvasive Imaging Techniques and Findings. Radiographics, 2021, 41, 200125.	1.4	20
11	Three Automated Quantitative Cardiac Magnetic Resonance Perfusion Analyses Versus Invasive Fractional Flow Reserve in Swine. JACC: Cardiovascular Imaging, 2021, 14, 1871-1873.	2.3	4
12	Stress CMR in patients with obesity: insights from the Stress CMR Perfusion Imaging in the United States (SPINS) registry. European Heart Journal Cardiovascular Imaging, 2021, 22, 518-527.	0.5	16
13	A Patient in Their 30s With Dyspnea and a Spongy Heart. JAMA Cardiology, 2021, 6, e210001.	3.0	0
14	What Can We Learn About Heart Failure From Sodium Magnetic Resonance Imaging?. Circulation: Cardiovascular Imaging, 2021, 14, e013628.	1.3	0
15	A continuous murmur in an unexpected location. Journal of Cardiovascular Computed Tomography, 2020, 14, e87-e88.	0.7	0
16	Intramyocardial Bone Marrow Stem Cells in Patients Undergoing Cardiac Surgical Revascularization. Annals of Thoracic Surgery, 2020, 109, 1142-1149.	0.7	15
17	Coronary venous anatomy and anomalies. Journal of Cardiovascular Computed Tomography, 2020, 14, 80-86.	0.7	28
18	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

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19	Prognostic Value of Stress CMR Perfusion Imaging in Patients With Reduced LeftÂVentricular Function. JACC: Cardiovascular Imaging, 2020, 13, 2132-2145.	2.3	17
20	Cardiac Imaging in the Post-ISCHEMIA Trial Era. JACC: Cardiovascular Imaging, 2020, 13, 1815-1833.	2.3	21
21	Evaluation of Stress Cardiac Magnetic Resonance Imaging in Risk Reclassification of Patients With Suspected Coronary Artery Disease. JAMA Cardiology, 2020, 5, 1401.	3.0	23
22	Cardiac MRI identifies valvular and myocardial disease in a subset of ANO5-related muscular dystrophy patients. Neuromuscular Disorders, 2020, 30, 742-749.	0.3	4
23	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
24	Accelerated Wideband Myocardial Perfusion Pulse Sequence with Compressed Sensing Reconstruction for Myocardial Blood Flow Quantification in Patients with a Cardiac Implantable Electronic Device. Radiology: Cardiothoracic Imaging, 2020, 2, e190114.	0.9	6
25	Detection of Myocardial Fibrosis and Left Ventricular Dysfunction with Cardiac MRI in a Hypertensive Swine Model. Radiology: Cardiothoracic Imaging, 2020, 2, e190214.	0.9	5
26	Genetic dysregulation of endothelin-1 is implicated in coronary microvascular dysfunction. European Heart Journal, 2020, 41, 3239-3252.	1.0	73
27	Global Developments in Stress Perfusion Cardiovascular Magnetic Resonance. Circulation, 2020, 141, 1292-1294.	1.6	3
28	Rare Cause of Dyspnea in a 34-Year-Old Patient. Circulation: Cardiovascular Imaging, 2019, 12, e009141.	1.3	0
29	Cardiac MRI Endpoints in MyocardialÂInfarction Experimental andÂClinicalÂTrials. Journal of the American College of Cardiology, 2019, 74, 238-256.	1.2	235
30	Adult MTM1-related myopathy carriers. Neurology, 2019, 93, e1535-e1542.	1.5	18
31	Cardiac Magnetic Resonance Stress Perfusion Imaging for Evaluation of Patients WithÂChestÂPain. Journal of the American College of Cardiology, 2019, 74, 1741-1755.	1.2	177
32	Myocardial Perfusion and Late Gadolinium Enhancement Imaging in Cardiovascular Magnetic Resonance to Assess Coronary Artery Disease. Contemporary Cardiology, 2019, , 185-203.	0.0	0
33	Association Between Unrecognized Myocardial Infarction and Cerebral Infarction on Magnetic Resonance Imaging. JAMA Neurology, 2019, 76, 956.	4.5	26
34	Interpreting the Prognostic Value of Unrecognized Myocardial Infarction Among Older Adultsâ€"Reply. JAMA Cardiology, 2019, 4, 391.	3.0	0
35	Prevalence and prognosis of ischaemic and non-ischaemic myocardial fibrosis in older adults. European Heart Journal, 2019, 40, 529-538.	1.0	69
36	Microvascular Dysfunction in DilatedÂCardiomyopathy. JACC: Cardiovascular Imaging, 2019, 12, 1699-1708.	2.3	49

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37	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
38	Dynamic stress computed tomography myocardial perfusion for detecting myocardial ischemia: A systematic review and meta-analysis. International Journal of Cardiology, 2018, 258, 325-331.	0.8	46
39	Deranged Myocyte Microstructure in Situs Inversus Totalis Demonstrated by Diffusion Tensor Cardiac Magnetic Resonance. JACC: Cardiovascular Imaging, 2018, 11, 1360-1362.	2.3	15
40	Swiss cheese heart. European Heart Journal, 2018, 39, 255-256.	1.0	0
41	Fully quantitative pixel-wise analysis of cardiovascular magnetic resonance perfusion improves discrimination of dark rim artifact from perfusion defects associated with epicardial coronary stenosis. Journal of Cardiovascular Magnetic Resonance, 2018, 20, 16.	1.6	15
42	Cardiovascular Magnetic Resonance in Acute ST-Segmentâ€“Elevation Myocardial Infarction. Circulation, 2018, 137, 1949-1964.	1.6	128
43	Evaluation of the impact of strain correction on the orientation of cardiac diffusion tensors with in vivo and ex vivo porcine hearts. Magnetic Resonance in Medicine, 2018, 79, 2205-2215.	1.9	18
44	Coronary Artery Disease: Analysis of Diagnostic Performance of CT Perfusion and MR Perfusion Imaging in Comparison with Quantitative Coronary Angiography and SPECTâ€”Multicenter Prospective Trial. Radiology, 2018, 286, 461-470.	3.6	18
45	Rationale and design of the Coronary Microvascular Angina Cardiac Magnetic Resonance Imaging (CorCMR) diagnostic study: the CorMicA CMR sub-study. Open Heart, 2018, 5, e000924.	0.9	12
46	Tracking diaphragm and chest wall movement on cine-MRI. , 2018, , .		0
47	Myocarditis in a patient treated with Nivolumab and PROSTVAC: a case report. , 2018, 6, 150.		27
48	Association of Unrecognized Myocardial Infarction With Long-term Outcomes in Community-Dwelling Older Adults. JAMA Cardiology, 2018, 3, 1101.	3.0	39
49	The pulmonary embolism that wasnâ€™t: a case of pulmonary pseudosequestration. European Heart Journal Cardiovascular Imaging, 2018, 19, 1310-1310.	0.5	0
50	Dynamic nature of caseous mitral annular calcification. Journal of Cardiovascular Computed Tomography, 2018, 12, 444-446.	0.7	1
51	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
52	Quantitative Stress Perfusion CardiacÂMagnetic Resonance ImprovesÂPrognostication. JACC: Cardiovascular Imaging, 2018, 11, 695-696.	2.3	0
53	Detection of Recent Myocardial Infarction Using Native T1 Mapping in a Swine Model: A Validation Study. Scientific Reports, 2018, 8, 7391.	1.6	18
54	Reply. Journal of Allergy and Clinical Immunology, 2018, 141, 1540-1541.	1.5	1

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55	Robust universal nonrigid motion correction framework for firstâ€pass cardiac MR perfusion imaging. Journal of Magnetic Resonance Imaging, 2017, 46, 1060-1072.	1.9	23
56	Assessment of Myocardial Microstructural Dynamics by InÂVivo Diffusion Tensor Cardiac Magnetic Resonance. Journal of the American College of Cardiology, 2017, 69, 661-676.	1.2	171
57	Apheresis as novel treatment for refractory angina with raised lipoprotein(a): a randomized controlled cross-over trial. European Heart Journal, 2017, 38, 1561-1569.	1.0	71
58	Myocardial extracellular volume fraction quantified by cardiovascular magnetic resonance is increased in hypertension and associated with left ventricular remodeling. European Radiology, 2017, 27, 4620-4630.	2.3	26
59	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. Radiology, 2017, 284, 55-65.	3.6	74
60	Time-Varying Edema Requires Cautious Interpretation of Myocardium at Risk and Infarct Size by All Imaging Methods. Circulation, 2017, 136, 1301-1303.	1.6	0
61	Fibrosis as measured by the biomarker, tissue inhibitor metalloproteinase-1, predicts mortality in Age Gene Environment Susceptibility-Reykjavik (AGES-Reykjavik) Study. European Heart Journal, 2017, 38, 3423-3430.	1.0	27
62	Skeletal and myocardial microvascular blood flow in hydroxycarbamideâ€treated patients with sickle cell disease. British Journal of Haematology, 2017, 179, 648-656.	1.2	18
63	Respiratory magnetic resonance imaging biomarkers in Duchenne muscular dystrophy. Annals of Clinical and Translational Neurology, 2017, 4, 655-662.	1.7	17
64	Characteristics of cardiomyopathy in AlstrÃ¶m syndrome: Prospective single-center data on 38 patients. Molecular Genetics and Metabolism, 2017, 121, 336-343.	0.5	31
65	The Authors Reply:. JACC: Cardiovascular Imaging, 2017, 10, 606.	2.3	0
66	Cardiac MRI Findings Suggest Myocarditis in Severe Ebola Virus Disease. JACC: Cardiovascular Imaging, 2017, 10, 711-713.	2.3	14
67	Are Echocardiography and CMR Really Discordant in Mitral Regurgitation?. JACC: Cardiovascular Imaging, 2017, 10, 823-824.	2.3	22
68	Early Gadolinium Enhancement for Determination of Area at Risk. JACC: Cardiovascular Imaging, 2017, 10, 130-139.	2.3	17
69	Holistic segmentation of the lung in cine MRI. Journal of Medical Imaging, 2017, 4, 1.	0.8	9
70	Increased myocardial native T1 and extracellular volume in patients with Duchenne muscular dystrophy. Journal of Cardiovascular Magnetic Resonance, 2016, 18, 5.	1.6	59
71	Midlife Cardiovascular Risk Factors and Lateâ€Life Unrecognized and Recognized Myocardial Infarction Detect by Cardiac Magnetic Resonance: ICELANDâ€MI, the AGESâ€Reykjavik Study. Journal of the American Heart Association, 2016, 5, .	1.6	18
72	Recent advances in cardiac magnetic resonance. F1000Research, 2016, 5, 2253.	0.8	9

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73	Upper arm and cardiac magnetic resonance imaging in Duchenne muscular dystrophy. Annals of Clinical and Translational Neurology, 2016, 3, 948-955.	1.7	14
74	Area at risk in acute myocardial infarction: oedema imaging and species-specific findings. European Heart Journal Cardiovascular Imaging, 2016, 17, 754-755.	0.5	1
75	Cardiac and Carotid Markers Link With Accelerated Brain Atrophy. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, 2246-2251.	1.1	27
76	Mechanisms of Myocardial Ischemia in Hypertrophic Cardiomyopathy. Journal of the American College of Cardiology, 2016, 68, 1651-1660.	1.2	92
77	Anthracycline-Associated T1 Mapping Characteristics Are Elevated Independent of the Presence of Cardiovascular Comorbidities in Cancer Survivors. Circulation: Cardiovascular Imaging, 2016, 9, .	1.3	145
78	Prospective evaluation of the influence of iterative reconstruction on the reproducibility of coronary calcium quantification in reduced radiation dose 320 detector row CT. Journal of Cardiovascular Computed Tomography, 2016, 10, 359-363.	0.7	28
79	Growth hormone and risk for cardiac tumors in Carney complex. Endocrine-Related Cancer, 2016, 23, 739-746.	1.6	6
80	Severe Meningoencephalitis in a Case of Ebola Virus Disease: A Case Report. Annals of Internal Medicine, 2016, 165, 301.	2.0	45
81	Elevated transpulmonary gradient and cardiac magnetic resonance-derived right ventricular remodeling predict poor outcomes in sickle cell disease. Haematologica, 2016, 101, e40-e43.	1.7	10
82	Correlation of CT-based regional cardiac function (SQUEEZ) with myocardial strain calculated from tagged MRI: an experimental study. International Journal of Cardiovascular Imaging, 2016, 32, 817-823.	0.7	31
83	Evaluation of an automated method for arterial input function detection for first-pass myocardial perfusion cardiovascular magnetic resonance. Journal of Cardiovascular Magnetic Resonance, 2016, 18, 17.	1.6	29
84	Multimodality imaging demonstrates trafficking of liposomes preferentially to ischemic myocardium. Cardiovascular Revascularization Medicine, 2016, 17, 106-112.	0.3	13
85	Endocardialâ€“epicardial distribution of myocardial perfusion reserve assessed by multidetector computed tomography in symptomatic patients without significant coronary artery disease: insights from the CORE320 multicentre study. European Heart Journal Cardiovascular Imaging, 2016, 17, 779-787.	0.5	21
86	The global cardiovascular magnetic resonance registry (GCMR) of the society for cardiovascular magnetic resonance (SCMR): its goals, rationale, data infrastructure, and current developments. Journal of Cardiovascular Magnetic Resonance, 2016, 19, 23.	1.6	28
87	Automated measurement of arterial input function in first-pass myocardial perfusion magnetic resonance images using independent component analysis. , 2015, , .		2
88	Saturation pulse design for quantitative myocardial T1 mapping. Journal of Cardiovascular Magnetic Resonance, 2015, 17, 84.	1.6	31
89	Characterization of myocardial T1-mapping bias caused by intramyocardial fat in inversion recovery and saturation recovery techniques. Journal of Cardiovascular Magnetic Resonance, 2015, 17, 33.	1.6	80
90	Increased myocardial extracellular volume in active idiopathic systemic capillary leak syndrome. Journal of Cardiovascular Magnetic Resonance, 2015, 17, 76.	1.6	17

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91	Healing After Myocardial Infarction. JACC: Cardiovascular Imaging, 2015, 8, 680-683.	2.3	15
92	Noncontrast myocardial T₁ mapping using cardiovascular magnetic resonance for iron overload. Journal of Magnetic Resonance Imaging, 2015, 41, 1505-1511.	1.9	139
93	New Insights from Major Prospective Cohort Studies with Cardiovascular Magnetic Resonance (CMR). Current Cardiology Reports, 2015, 17, 46.	1.3	5
94	Variability of T1 in purpose recruited normal volunteers and patients as a function of shim (B0), flip angle (B1) and myocardial sector at 3T. Journal of Cardiovascular Magnetic Resonance, 2015, 17, P5.	1.6	3
95	Fuzzy or Sharp Borders of Acute Myocardial Ischemia and Infarction?. JACC: Cardiovascular Imaging, 2015, 8, 1390-1392.	2.3	4
96	Multimodality Imaging of Diseases of the Thoracic Aorta in Adults: From the American Society of Echocardiography and the European Association of Cardiovascular Imaging. Journal of the American Society of Echocardiography, 2015, 28, 119-182.	1.2	500
97	FLASH proton density imaging for improved surface coil intensity correction in quantitative and semi-quantitative SSFP perfusion cardiovascular magnetic resonance. Journal of Cardiovascular Magnetic Resonance, 2015, 17, 16.	1.6	9
98	Quantitative pixel-wise measurement of myocardial blood flow: The impact of surface coil-related field inhomogeneity and a comparison of methods for its correction. Journal of Cardiovascular Magnetic Resonance, 2015, 17, 11.	1.6	8
99	Mechanisms for overestimating acute myocardial infarct size with gadolinium-enhanced cardiovascular magnetic resonance imaging in humans: a quantitative and kinetic study. European Heart Journal Cardiovascular Imaging, 2015, 17, jev123.	0.5	30
100	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
101	Free-breathing T2* mapping using respiratory motion corrected averaging. Journal of Cardiovascular Magnetic Resonance, 2015, 17, 3.	1.6	29
102	Myocardial T2* mapping: influence of noise on accuracy and precision. Journal of Cardiovascular Magnetic Resonance, 2015, 17, 7.	1.6	35
103	Cardiac Hemodynamics are Linked With Structural and Functional Features of Brain Aging: The Age, Gene/Environment Susceptibility (AGES)â€Reykjavik Study. Journal of the American Heart Association, 2015, 4, e001294.	1.6	50
104	Broadening the Spectrum of Ehlers Danlos Syndrome in Patients With Congenital Adrenal Hyperplasia. Journal of Clinical Endocrinology and Metabolism, 2015, 100, E1143-E1152.	1.8	51
105	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. International Journal of Cardiology, 2015, 201, 570-577.	0.8	31
106	Automatic nonrigid motion correction for quantitative first-pass cardiac MR perfusion imaging. , 2015, , .		3
107	N-terminal proâ€“brain natriuretic peptide and abnormal brain aging. Neurology, 2015, 85, 813-820.	1.5	23
108	Temporal and spatial characteristics of the area at risk investigated using computed tomography and T₁-weighted magnetic resonance imaging. European Heart Journal Cardiovascular Imaging, 2015, 16, 1232-1240.	0.5	11

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109	Accuracy of Computed Tomographic Angiography and Single-Photon Emission Computed Tomographyâ€“Acquired Myocardial Perfusion Imaging for the Diagnosis of Coronary Artery Disease. Circulation: Cardiovascular Imaging, 2015, 8, e003533.	1.3	49
110	Quantitative assessment of myocardial fibrosis in an age-related rat model by ex vivo late gadolinium enhancement magnetic resonance imaging with histopathological correlation. Computers in Biology and Medicine, 2015, 65, 103-113.	3.9	15
111	Hemodynamic Consequences of Hypertrophic Cardiomyopathy with Midventricular Obstruction: Apical Aneurysm and Thrombus Formation. Journal of General Practice (Los Angeles, Calif), 2014, 02, .	0.1	5
112	Safety and tolerability of regadenoson CMR. European Heart Journal Cardiovascular Imaging, 2014, 15, 753-760.	0.5	31
113	Computed tomography angiography and perfusion to assess coronary artery stenosis causing perfusion defects by single photon emission computed tomography: the CORE320 study. European Heart Journal, 2014, 35, 1120-1130.	1.0	385
114	Identification of candidate genes involved in coronary artery calcification by transcriptome sequencing of cell lines. BMC Genomics, 2014, 15, 198.	1.2	13
115	B-type natriuretic peptide and C-reactive protein in the prediction of atrial fibrillation risk: the CHARGE-AF Consortium of community-based cohort studies. Europace, 2014, 16, 1426-1433.	0.7	144
116	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
117	Concordance and diagnostic accuracy of vasodilator stress cardiac MRI and 320-detector row coronary CTA. International Journal of Cardiovascular Imaging, 2014, 30, 109-119.	0.7	7
118	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
119	Integrative DNA, RNA, and Protein Evidence Connects TREML4 to Coronary Artery Calcification. American Journal of Human Genetics, 2014, 95, 66-76.	2.6	30
120	Coronary microvascular ischemia in hypertrophic cardiomyopathy - a pixel-wise quantitative cardiovascular magnetic resonance perfusion study. Journal of Cardiovascular Magnetic Resonance, 2014, 16, 49.	1.6	73
121	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
122	Comparative Definitions for Moderate-Severe Ischemia in Stress Nuclear, Echocardiography, and Magnetic Resonance Imaging. JACC: Cardiovascular Imaging, 2014, 7, 593-604.	2.3	168
123	Diagnostic Accuracy of Stress Perfusion CMR in Comparison With Quantitative Coronary Angiography. JACC: Cardiovascular Imaging, 2014, 7, 14-22.	2.3	97
124	Phaseâ€sensitive inversion recovery for myocardial T₁ mapping with motion correction and parametric fitting. Magnetic Resonance in Medicine, 2013, 69, 1408-1420.	1.9	90
125	Serious aortic complications in a patient with Turner syndrome. European Journal of Pediatrics, 2013, 172, 703-705.	1.3	9
126	T1 and extracellular volume mapping in the heart: estimation of error maps and the influence of noise on precision. Journal of Cardiovascular Magnetic Resonance, 2013, 15, 56.	1.6	143

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127	Influence of Off-resonance in myocardial T1-mapping using SSFP based MOLLI method. Journal of Cardiovascular Magnetic Resonance, 2013, 15, 63.	1.6	85
128	Simulated 50Â% radiation dose reduction in coronary CT angiography using adaptive iterative dose reduction in three-dimensions (AIDR3D). International Journal of Cardiovascular Imaging, 2013, 29, 1167-1175.	0.7	76
129	High spatial and temporal resolution retrospective cine cardiovascular magnetic resonance from shortened free breathing real-time acquisitions. Journal of Cardiovascular Magnetic Resonance, 2013, 15, 102.	1.6	75
130	Textural analysis of diffuse myocardial fibrosis in aging rats: A late gadolinium enhancement magnetic resonance imaging study. , 2013, , .		0
131	Computed Tomography Perfusion to Assess Physiological Significance of Coronary Stenosis in the Post-FAME Era (Fractional Flow Reserve Versus Angiography for Multivessel Evaluation). Journal of the American College of Cardiology, 2013, 62, 1486-1487.	1.2	4
132	Chronic myopathy due to immunoglobulin light chain amyloidosis. Molecular Genetics and Metabolism, 2013, 108, 249-254.	0.5	9
133	Cardiovascular Function and Treatment in Î²-Thalassemia Major. Circulation, 2013, 128, 281-308.	1.6	301
134	Submillisievert Median Radiation Dose for Coronary Angiography with a Second-Generation 320â€“Detector Row CT Scanner in 107 Consecutive Patients. Radiology, 2013, 267, 76-85.	3.6	153
135	Tenascin-X Haploinsufficiency Associated with Ehlers-Danlos Syndrome in Patients with Congenital Adrenal Hyperplasia. Journal of Clinical Endocrinology and Metabolism, 2013, 98, E379-E387.	1.8	59
136	Bicuspid aortic valve and aortic coarctation are linked to deletion of the X chromosome short arm in Turner syndrome. Journal of Medical Genetics, 2013, 50, 662-665.	1.5	78
137	Regadenoson and adenosine are equivalent vasodilators and are superior than dipyridamole- a study of first pass quantitative perfusion cardiovascular magnetic resonance. Journal of Cardiovascular Magnetic Resonance, 2013, 15, 85.	1.6	69
138	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. Journal of Cardiovascular Magnetic Resonance, 2013, 15, 92.	1.6	864
139	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
140	Characterization and Management of Cardiac Involvement of Thymic Epithelial Tumors. Journal of Thoracic Oncology, 2013, 8, 246-249.	0.5	14
141	Multimodality Imaging of a Dissecting Intramyocardial Hematoma Extending into the Left Atrial Wall Following Myocardial Infarction. Circulation, 2012, 126, e339-41.	1.6	5
142	Controversies in Cardiovascular MR Imaging: Reasons Why Imaging Myocardial T2 Has Clinical and Pathophysiologic Value in Acute Myocardial Infarction. Radiology, 2012, 265, 23-32.	3.6	43
143	Prevalence and Prognosis of Unrecognized Myocardial Infarction Determined by Cardiac Magnetic Resonance in Older Adults. JAMA - Journal of the American Medical Association, 2012, 308, 890.	3.8	234
144	Trabeculated (Noncompacted) and Compact Myocardium in Adults. Circulation: Cardiovascular Imaging, 2012, 5, 357-366.	1.3	165

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145	Extracellular volume imaging by magnetic resonance imaging provides insights into overt and sub-clinical myocardial pathology. European Heart Journal, 2012, 33, 1268-1278.	1.0	482
146	Cardiac imaging techniques for physicians: Late enhancement. Journal of Magnetic Resonance Imaging, 2012, 36, 529-542.	1.9	136
147	Gadolinium-enhanced cardiovascular magnetic resonance: administered dose in relationship to united states food and drug administration (FDA) guidelines. Journal of Cardiovascular Magnetic Resonance, 2012, 14, 8.	1.6	25
148	Extracellular volume fraction mapping in the myocardium, part 1: evaluation of an automated method. Journal of Cardiovascular Magnetic Resonance, 2012, 14, 60.	1.6	323
149	Extracellular volume fraction mapping in the myocardium, part 2: initial clinical experience. Journal of Cardiovascular Magnetic Resonance, 2012, 14, 61.	1.6	223
150	MultiContrast Delayed Enhancement (MCODE) improves detection of subendocardial myocardial infarction by late gadolinium enhancement cardiovascular magnetic resonance: a clinical validation study. Journal of Cardiovascular Magnetic Resonance, 2012, 14, 86.	1.6	420
151	N-terminal pro-brain natriuretic peptide levels and aortic diameters. American Heart Journal, 2012, 164, 419-424.	1.2	14
152	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
153	Myocardial Edema as Detected by Pre-Contrast T1 and T2 CMR Delineates Area at Risk Associated With Acute Myocardial Infarction. JACC: Cardiovascular Imaging, 2012, 5, 596-603.	2.3	283
154	Influence of Image Acquisition Settings on Radiation Dose and Image Quality in Coronary Angiography by 320-Detector Volume Computed Tomography: The CORE320 Pilot Experience. Heart International, 2012, 7, hi.2012.e11.	0.4	14
155	Understanding why edema in salvaged myocardium is difficult to detect by late gadolinium enhancement. Journal of Cardiovascular Magnetic Resonance, 2012, 14, .	1.6	5
156	Partition coefficients for gadolinium chelates in the normal myocardium: Comparison of gadopentetate dimeglumine and gadobenate dimeglumine. Journal of Magnetic Resonance Imaging, 2012, 36, 733-737.	1.9	17
157	Motion correction for myocardial T1 mapping using image registration with synthetic image estimation. Magnetic Resonance in Medicine, 2012, 67, 1644-1655.	1.9	187
158	Retrospective reconstruction of high temporal resolution cine images from realâ€time MRI using iterative motion correction. Magnetic Resonance in Medicine, 2012, 68, 741-750.	1.9	78
159	Motion correction for myocardial T1 mapping using image registration with synthetic image estimation. Magnetic Resonance in Medicine, 2012, 67, spcone.	1.9	2
160	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. Journal of Cardiovascular Computed Tomography, 2011, 5, 370-381.	0.7	77
161	Gadolinium Can Depict Area at Risk and Myocardial Infarction. JACC: Cardiovascular Imaging, 2011, 4, 619-621.	2.3	11
162	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

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163	Outcomes of Hospitalized Patients with Non-Acute Coronary Syndrome and Elevated Cardiac Troponin Level. American Journal of Medicine, 2011, 124, 630-635.	0.6	46
164	Off-Pump Surgery for Giant Right Coronary Artery Aneurysms. Journal of Cardiac Surgery, 2011, 26, 596-599.	0.3	3
165	The cardiac magnetic resonance (CMR) approach to assessing myocardial viability. Journal of Nuclear Cardiology, 2011, 18, 1095-1102.	1.4	46
166	Myocardial T1 and extracellular volume fraction mapping at 3 tesla. Journal of Cardiovascular Magnetic Resonance, 2011, 13, 75.	1.6	144
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