

Raymond J Kim

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

164
papers

22,037
citations

59
h-index

148
g-index

177
ext. papers

25,395
ext. citations

9.1
avg. IF

6.42
L-index

#	Paper	IF	Citations
164	Cardiovascular magnetic resonance accurately detects obstructive coronary artery disease in suspected non-ST elevation myocardial infarction: a sub-analysis of the CARMENTA Trial. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2021 , 23, 40	6.9	0
163	Risk stratification of cardiac metastases using late gadolinium enhancement cardiovascular magnetic resonance: prognostic impact of hypo-enhancement evidenced tumor avascularity. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2021 , 23, 42	6.9	2
162	Relationship of LVEF and Myocardial Scar to Long-Term Mortality Risk and Mode of Death in Patients With Nonischemic Cardiomyopathy. <i>Circulation</i> , 2021 , 143, 1343-1358	16.7	8
161	Patients With Acute Myocarditis Following mRNA COVID-19 Vaccination. <i>JAMA Cardiology</i> , 2021 , 6, 1196-1201	11.5	115
160	Segment Length in Cine Strain Analysis Predicts Cardiac Resynchronization Therapy Outcome Beyond Current Guidelines. <i>Circulation: Cardiovascular Imaging</i> , 2021 , 14, e012350	3.9	0
159	Double spectral attenuated inversion recovery (DSPAIR)-an efficient fat suppression technique for late gadolinium enhancement at 3 tesla. <i>NMR in Biomedicine</i> , 2021 , 34, e4580	4.4	0
158	ECG-gated MR angiography provides better reproducibility for standard aortic measurements. <i>European Radiology</i> , 2021 , 31, 5087-5095	8	0
157	Instantaneous wave-free ratio guided multivessel revascularisation during percutaneous coronary intervention for acute myocardial infarction: study protocol of the randomised controlled iMODERN trial. <i>BMJ Open</i> , 2021 , 11, e044035	3	1
156	Epicardial Surface Area of Infarction: A Stable Surrogate of Microvascular Obstruction in Acute Myocardial Infarction. <i>Circulation: Cardiovascular Imaging</i> , 2021 , 14, e010918	3.9	0
155	Prognostic Value of Feature-Tracking Right Ventricular Longitudinal Strain in Severe Functional Tricuspid Regurgitation: A Multicenter Study. <i>JACC: Cardiovascular Imaging</i> , 2021 , 14, 1561-1568	8.4	8
154	Cardiovascular magnetic resonance imaging in suspected cardiac tumour: a multicentre outcomes study. <i>European Heart Journal</i> , 2021 ,	9.5	8
153	Cardiac MRI to Visualize Myocardial Damage after ST-Segment Elevation Myocardial Infarction: A Review of Its Histologic Validation. <i>Radiology</i> , 2021 , 301, 4-18	20.5	1
152	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
151	Standardized cardiovascular magnetic resonance imaging (CMR) protocols: 2020 update. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2020 , 22, 17	6.9	213
150	Effects of Elamipretide on Left Ventricular Function in Patients With Heart Failure With Reduced Ejection Fraction: The PROGRESS-HF Phase 2 Trial. <i>Journal of Cardiac Failure</i> , 2020 , 26, 429-437	3.3	19
149	Effects of the chymase inhibitor fulacimstat on adverse cardiac remodeling after acute myocardial infarction-Results of the Chymase Inhibitor in Adverse Remodeling after Myocardial Infarction (CHIARA MIA) 2 trial. <i>American Heart Journal</i> , 2020 , 224, 129-137	4.9	4
148	Feature-Tracking Global Longitudinal Strain Predicts Mortality in Patients With Preserved Ejection Fraction: A Multicenter Study. <i>JACC: Cardiovascular Imaging</i> , 2020 , 13, 940-947	8.4	25

147	Diastolic Dysfunction in Patients With Human Immunodeficiency Virus Receiving Antiretroviral Therapy: Results From the CHART Study. <i>Journal of Cardiac Failure</i> , 2020 , 26, 371-380	3.3	10
146	Comparison of magnetization transfer-preparation and T2-preparation for dark-blood delayed-enhancement imaging. <i>NMR in Biomedicine</i> , 2020 , 33, e4396	4.4	2
145	Late Gadolinium Enhancement Cardiac Magnetic Resonance Tissue Characterization for Cancer-Associated Cardiac Masses: Metabolic and Prognostic Manifestations in Relation to Whole-Body Positron Emission Tomography. <i>Journal of the American Heart Association</i> , 2019 , 8, e011709	6	10
144	Prevalence and Prognosis of Unrecognized Myocardial Infarction in Asymptomatic Patients With Diabetes: A Two-Center Study With Up to 5 Years of Follow-up. <i>Diabetes Care</i> , 2019 , 42, 1290-1296	14.6	14
143	Identifying the Infarct-Related Artery in Patients With Non-ST-Segment-Elevation Myocardial Infarction. <i>Circulation: Cardiovascular Interventions</i> , 2019 , 12, e007305	6	10
142	Prognostic Value of Vasodilator Stress Cardiac Magnetic Resonance Imaging: A Multicenter Study With 48 000 Patient-Years of Follow-up. <i>JAMA Cardiology</i> , 2019 , 4, 256-264	16.2	48
141	Cardiac MRI Endpoints in Myocardial Infarction Experimental and Clinical Trials: JACC Scientific Expert Panel. <i>Journal of the American College of Cardiology</i> , 2019 , 74, 238-256	15.1	102
140	Initial Imaging-Guided Strategy Versus Routine Care in Patients With Non-ST-Segment Elevation Myocardial Infarction. <i>Journal of the American College of Cardiology</i> , 2019 , 74, 2466-2477	15.1	30
139	Clinical Cardiovascular Magnetic Resonance Imaging Techniques 2019 , 161-177.e1		
138	Response to Comment on Elliott et al. Prevalence and Prognosis of Unrecognized Myocardial Infarction in Asymptomatic Patients With Diabetes: A Two-Center Study With Up to 5 Years of Follow-up. <i>Diabetes Care</i> 2019;42:1290-1296. <i>Diabetes Care</i> , 2019 , 42, e156	14.6	
137	Association of left atrial volume index and all-cause mortality in patients referred for routine cardiovascular magnetic resonance: a multicenter study. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2019 , 21, 4	6.9	32
136	Machine learning derived segmentation of phase velocity encoded cardiovascular magnetic resonance for fully automated aortic flow quantification. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2019 , 21, 1	6.9	42
135	Prognostic Implications of Mitral Annular Plane Systolic Excursion in Patients with Hypertension and a Clinical Indication for Cardiac Magnetic Resonance Imaging: A Multicenter Study. <i>JACC: Cardiovascular Imaging</i> , 2019 , 12, 1769-1779	8.4	9
134	Diastolic Dysfunction in Individuals With Human Immunodeficiency Virus Infection: Literature Review, Rationale and Design of the Characterizing Heart Function on Antiretroviral Therapy (CHART) Study. <i>Journal of Cardiac Failure</i> , 2018 , 24, 255-265	3.3	22
133	Long-Term Prognostic Implications of Previous Silent Myocardial Infarction in Patients Presenting With Acute Myocardial Infarction. <i>JACC: Cardiovascular Imaging</i> , 2018 , 11, 1773-1781	8.4	22
132	Feature-Tracking Global Longitudinal Strain Predicts Death in a Multicenter Population of Patients With Ischemic and Nonischemic Dilated Cardiomyopathy Incremental to Ejection Fraction and Late Gadolinium Enhancement. <i>JACC: Cardiovascular Imaging</i> , 2018 , 11, 1419-1429	8.4	109
131	Dark-Blood Delayed Enhancement Cardiac Magnetic Resonance of Myocardial Infarction. <i>JACC: Cardiovascular Imaging</i> , 2018 , 11, 1758-1769	8.4	28
130	Left Ventricular Long-Axis Function Assessed with Cardiac Cine MR Imaging Is an Independent Predictor of All-Cause Mortality in Patients with Reduced Ejection Fraction: A Multicenter Study. <i>Radiology</i> , 2018 , 286, 452-460	20.5	15

129	Myocardial Fibrosis in Patients With Primary Mitral Regurgitation With and Without Prolapse. <i>Journal of the American College of Cardiology</i> , 2018 , 72, 823-834	15.1	77
128	Definition of Left Ventricular Segments for Cardiac Magnetic Resonance Imaging. <i>JACC: Cardiovascular Imaging</i> , 2018 , 11, 926-928	8.4	12
127	Unexpected Cardiac MRI Findings in Patients Presenting to the Emergency Department for Possible Acute Coronary Syndrome. <i>Critical Pathways in Cardiology</i> , 2018 , 17, 167-171	1.3	1
126	Size Matters: Normalization of QRS Duration to Left Ventricular Dimension Improves Prediction of Long-Term Cardiac Resynchronization Therapy Outcome. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2018 , 11, e006767	6.4	18
125	Rationale and design of a randomized controlled trial of allogeneic mesenchymal stem cells in patients with nonischemic cardiomyopathy. <i>Journal of Cardiovascular Medicine</i> , 2017 , 18, 283-290	1.9	4
124	Redefining the role of biomarkers in heart failure trials: expert consensus document. <i>Heart Failure Reviews</i> , 2017 , 22, 263-277	5	13
123	The Prevalence, Correlates, and Impact on Cardiac Mortality of Right Ventricular Dysfunction in Nonischemic Cardiomyopathy. <i>JACC: Cardiovascular Imaging</i> , 2017 , 10, 1225-1236	8.4	38
122	Sources of variability in quantification of cardiovascular magnetic resonance infarct size - reproducibility among three core laboratories. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2017 , 19, 62	6.9	26
121	Association of Feature-Tracking Cardiac Magnetic Resonance Imaging Left Ventricular Global Longitudinal Strain With All-Cause Mortality in Patients With Reduced Left Ventricular Ejection Fraction. <i>Circulation</i> , 2017 , 135, 2313-2315	16.7	38
120	Intravenous Allogeneic Mesenchymal Stem Cells for Nonischemic Cardiomyopathy: Safety and Efficacy Results of a Phase II-A Randomized Trial. <i>Circulation Research</i> , 2017 , 120, 332-340	15.7	105
119	Suppression of ghost artifacts arising from long T species in segmented inversion-recovery imaging. <i>Magnetic Resonance in Medicine</i> , 2017 , 78, 1442-1451	4.4	4
118	Safety and Tolerability of Neladenoson Bialanate, a Novel Oral Partial Adenosine A1 Receptor Agonist, in Patients With Chronic Heart Failure. <i>Journal of Clinical Pharmacology</i> , 2017 , 57, 440-451	2.9	33
117	Comparison of stress cardiovascular magnetic resonance imaging (CMR) with stress nuclear perfusion for the diagnosis of coronary artery disease. <i>Journal of Nuclear Cardiology</i> , 2016 , 23, 287-97	2.1	12
116	Echocardiographic Algorithm for Post-Myocardial Infarction LV Thrombus: A Gatekeeper for Thrombus Evaluation by Delayed Enhancement CMR. <i>JACC: Cardiovascular Imaging</i> , 2016 , 9, 505-15	8.4	87
115	Left Atrial Structure and Function in Heart Failure with Preserved Ejection Fraction: A RELAX Substudy. <i>PLoS ONE</i> , 2016 , 11, e0164914	3.7	11
114	The Use of Cardiac Magnetic Resonance in Patients with Suspected Coronary Artery Disease: A Clinical Practice Perspective. <i>Journal of Cardiovascular Imaging</i> , 2016 , 24, 96-103	0	5
113	Lateral MI Explains the Presence of Prominent R Wave (R S) in V1. <i>Annals of Noninvasive Electrocardiology</i> , 2015 , 20, 570-7	1.5	3
112	Relationship of T2-Weighted MRI Myocardial Hyperintensity and the Ischemic Area-At-Risk. <i>Circulation Research</i> , 2015 , 117, 254-65	15.7	64

111	"Targeting the Heart" in Heart Failure: Myocardial Recovery in Heart Failure With Reduced Ejection Fraction. <i>JACC: Heart Failure</i> , 2015 , 3, 661-9	7.9	28
110	Performance of CMR Methods for Differentiating Acute From Chronic MI. <i>JACC: Cardiovascular Imaging</i> , 2015 , 8, 669-79	8.4	16
109	The end of an electrocardiographic dogma: a prominent R wave in V1 is caused by a lateral not posterior myocardial infarction-new evidence based on contrast-enhanced cardiac magnetic resonance-electrocardiogram correlations. <i>European Heart Journal</i> , 2015 , 36, 959-64	9.5	18
108	Stress cardiac MR imaging compared with stress echocardiography in the early evaluation of patients who present to the emergency department with intermediate-risk chest pain. <i>Radiology</i> , 2014 , 271, 56-64	20.5	23
107	CMR imaging with rapid visual T1 assessment predicts mortality in patients suspected of cardiac amyloidosis. <i>JACC: Cardiovascular Imaging</i> , 2014 , 7, 143-56	8.4	90
106	Routine cine-CMR for prosthesis-associated mitral regurgitation: a multicenter comparison to echocardiography. <i>Journal of Heart Valve Disease</i> , 2014 , 23, 575-82		7
105	EPC mobilization after erythropoietin treatment in acute ST-elevation myocardial infarction: the REVEAL EPC substudy. <i>Journal of Thrombosis and Thrombolysis</i> , 2013 , 36, 375-83	5.1	19
104	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
103	Aborted myocardial infarction after primary percutaneous coronary intervention: magnetic resonance imaging insights from the Assessment of Pexelizumab in Acute Myocardial Infarction (APEX-AMI) trial. <i>American Heart Journal</i> , 2013 , 165, 226-33	4.9	6
102	Standardized cardiovascular magnetic resonance (CMR) protocols 2013 update. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2013 , 15, 91	6.9	494
101	The role of cardiovascular magnetic resonance imaging and computed tomography angiography in suspected non-ST-elevation myocardial infarction patients: design and rationale of the CARDiovascular Magnetic rEsONance imaging and computed Tomography Angiography (CARMENTA) trial. <i>American Heart Journal</i> , 2013 , 166, 968-75	4.9	9
100	Prevalence of regional myocardial thinning and relationship with myocardial scarring in patients with coronary artery disease. <i>JAMA - Journal of the American Medical Association</i> , 2013 , 309, 909-18	27.4	79
99	Cardiac MR for the assessment of myocardial viability. <i>Methodist DeBakey Cardiovascular Journal</i> , 2013 , 9, 163-8	2.1	10
98	Motion and flow insensitive adiabatic T2 -preparation module for cardiac MR imaging at 3 Tesla. <i>Magnetic Resonance in Medicine</i> , 2013 , 70, 1360-8	4.4	24
97	Controversies in cardiovascular MR imaging: T2-weighted imaging should not be used to delineate the area at risk in ischemic myocardial injury. <i>Radiology</i> , 2012 , 265, 12-22	20.5	78
96	Performance of angiographic, electrocardiographic and MRI methods to assess the area at risk in acute myocardial infarction. <i>Heart</i> , 2012 , 98, 109-15	5.1	17
95	Highly effective fat suppression in clinical T1-weighted imaging of ischemic and non-ischemic heart disease with DeSPAIR. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2012 , 14,	6.9	3
94	Assessment of myocardial scarring improves risk stratification in patients evaluated for cardiac defibrillator implantation. <i>Journal of the American College of Cardiology</i> , 2012 , 60, 408-20	15.1	230

93	Clinical application of cine-MRI in the visual assessment of mitral regurgitation compared to echocardiography and cardiac catheterization. <i>PLoS ONE</i> , 2012 , 7, e40491	3.7	15
92	LV thrombus detection by routine echocardiography: insights into performance characteristics using delayed enhancement CMR. <i>JACC: Cardiovascular Imaging</i> , 2011 , 4, 702-12	8.4	124
91	T2-weighted imaging to assess post-infarct myocardium at risk. <i>JACC: Cardiovascular Imaging</i> , 2011 , 4, 1014-21	8.4	53
90	The role of cardiac MR in new-onset heart failure. <i>Current Cardiology Reports</i> , 2011 , 13, 185-93	4.2	10
89	Anatomic and clinical correlates of septal morphology in hypertrophic cardiomyopathy. <i>European Heart Journal Cardiovascular Imaging</i> , 2011 , 12, 131-9	4.1	12
88	Late gadolinium enhancement magnetic resonance imaging in the diagnosis and prognosis of endomyocardial fibrosis patients. <i>Circulation: Cardiovascular Imaging</i> , 2011 , 4, 304-11	3.9	56
87	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> , 2011 , 4, 610-9	3.9	94
86	Clinical assessment of acute heart failure syndromes: emergency department through the early post-discharge period. <i>Heart</i> , 2011 , 97, 1607-18	5.1	18
85	Intravenous erythropoietin in patients with ST-segment elevation myocardial infarction: REVEAL: a randomized controlled trial. <i>JAMA - Journal of the American Medical Association</i> , 2011 , 305, 1863-72	27.4	172
84	Clinical Cardiovascular Magnetic Resonance Imaging Techniques 2010 , 19-36		3
83	Magnetic resonance water proton relaxation in protein solutions and tissue: T(1rho) dispersion characterization. <i>PLoS ONE</i> , 2010 , 5, e8565	3.7	12
82	Molecular imaging: T2-weighted CMR of the area at risk--a risky business?. <i>Nature Reviews Cardiology</i> , 2010 , 7, 547-9	14.8	68
81	Pexelizumab and infarct size in patients with acute myocardial infarction undergoing primary percutaneous coronary Intervention: a delayed enhancement cardiac magnetic resonance substudy from the APEX-AMI trial. <i>JACC: Cardiovascular Imaging</i> , 2010 , 3, 52-60	8.4	30
80	Use of cardiac magnetic resonance imaging to evaluate cardiac structure, function and fibrosis in children with infantile Pompe disease on enzyme replacement therapy. <i>Molecular Genetics and Metabolism</i> , 2010 , 101, 332-7	3.7	22
79	Predicting chronic left ventricular dysfunction 90 days after ST-segment elevation myocardial infarction: An Assessment of Pexelizumab in Acute Myocardial Infarction (APEX-AMI) Substudy. <i>American Heart Journal</i> , 2010 , 160, 272-8	4.9	26
78	Design and rationale of the Reduction of Infarct Expansion and Ventricular Remodeling with Erythropoietin after Large Myocardial Infarction (REVEAL) trial. <i>American Heart Journal</i> , 2010 , 160, 795-803.e2 ¹⁹	4.9	19
77	Delayed-Enhancement Magnetic Resonance 2010 , 240-261		
76	Detection of myocardial damage in patients with sarcoidosis. <i>Circulation</i> , 2009 , 120, 1969-77	16.7	467

75	Unrecognized non-Q-wave myocardial infarction: prevalence and prognostic significance in patients with suspected coronary disease. <i>PLoS Medicine</i> , 2009 , 6, e1000057	11.6	90
74	Detection and characteristics of microvascular obstruction in reperfused acute myocardial infarction using an optimized protocol for contrast-enhanced cardiovascular magnetic resonance imaging. <i>European Radiology</i> , 2009 , 19, 2904-12	8	48
73	Cardiovascular magnetic resonance in patients with myocardial infarction: current and emerging applications. <i>Journal of the American College of Cardiology</i> , 2009 , 55, 1-16	15.1	250
72	Contrast-enhanced anatomic imaging as compared to contrast-enhanced tissue characterization for detection of left ventricular thrombus. <i>JACC: Cardiovascular Imaging</i> , 2009 , 2, 969-79	8.4	139
71	Left ventricular systolic dysfunction predicts incremental utility of delayed enhancement CMR vs. echocardiography for diagnosis of LV thrombus. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2009 , 11,	6.9	78
70	The involvement of the aorta by cardiac magnetic resonance in the inflammatory process of acute coronary syndrome. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2009 , 11,	6.9	78
69	Evaluation of ischemic heart disease. <i>Heart Failure Clinics</i> , 2009 , 5, 315-32, v	3.3	17
68	Identifying the etiology: a systematic approach using delayed-enhancement cardiovascular magnetic resonance. <i>Heart Failure Clinics</i> , 2009 , 5, 349-67, vi	3.3	34
67	Detection of left ventricular thrombus by delayed-enhancement cardiovascular magnetic resonance prevalence and markers in patients with systolic dysfunction. <i>Journal of the American College of Cardiology</i> , 2008 , 52, 148-57	15.1	214
66	Value of cardiovascular magnetic resonance stress perfusion testing for the detection of coronary artery disease in women. <i>JACC: Cardiovascular Imaging</i> , 2008 , 1, 436-45	8.4	46
65	Direct en face imaging of secundum atrial septal defects by velocity-encoded cardiovascular magnetic resonance in patients evaluated for possible transcatheter closure. <i>Circulation: Cardiovascular Imaging</i> , 2008 , 1, 31-40	3.9	41
64	Performance of delayed-enhancement magnetic resonance imaging with gadoversetamide contrast for the detection and assessment of myocardial infarction: an international, multicenter, double-blinded, randomized trial. <i>Circulation</i> , 2008 , 117, 629-37	16.7	224
63	Respiratory motion and cardiac arrhythmia effects on diagnostic accuracy of myocardial delayed-enhanced MR imaging in canines. <i>Radiology</i> , 2008 , 247, 106-14	20.5	15
62	Optimizing cardiac MR imaging: practical remedies for artifacts. <i>Radiographics</i> , 2008 , 28, 1161-87	5.4	46
61	Standardized cardiovascular magnetic resonance imaging (CMR) protocols, society for cardiovascular magnetic resonance: board of trustees task force on standardized protocols. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2008 , 10, 35	6.9	447
60	Detection of myocardial ischemia by stress perfusion cardiovascular magnetic resonance. <i>Magnetic Resonance Imaging Clinics of North America</i> , 2007 , 15, 527-40, vi	1.6	5
59	Detection of myocardial ischemia by stress perfusion cardiovascular magnetic resonance. <i>Cardiology Clinics</i> , 2007 , 25, 57-70, vi	2.5	9
58	Magnetic resonance evaluation of peripheral arterial disease. <i>Cardiology Clinics</i> , 2007 , 25, 185-212, vii	2.5	4

57	Combining spin echoes with gradient echoes in the context of the global coherent free precession pulse sequence. <i>Magnetic Resonance in Medicine</i> , 2007 , 58, 82-91	4.4	
56	Guidelines for training in Cardiovascular Magnetic Resonance (CMR). <i>Journal of Cardiovascular Magnetic Resonance</i> , 2007 , 9, 3-4	6.9	26
55	Rapid detection of myocardial infarction by subsecond, free-breathing delayed contrast-enhancement cardiovascular magnetic resonance. <i>Circulation</i> , 2007 , 115, 236-44	16.7	89
54	Training cardiovascular specialists in imaging: a curriculum based on fundamental concepts required for multimodal imaging. <i>American Heart Journal</i> , 2007 , 154, 838-45	4.9	5
53	A clinical cardiovascular magnetic resonance service: operational considerations and the basic examination. <i>Magnetic Resonance Imaging Clinics of North America</i> , 2007 , 15, 473-85, v	1.6	1
52	A clinical cardiovascular magnetic resonance service: operational considerations and the basic examination. <i>Cardiology Clinics</i> , 2007 , 25, 1-13, v	2.5	4
51	Magnetic resonance evaluation of peripheral arterial disease. <i>Magnetic Resonance Imaging Clinics of North America</i> , 2007 , 15, 653-79, vii	1.6	5
50	Cardiovascular MRI: its current and future use in clinical practice. <i>Expert Review of Cardiovascular Therapy</i> , 2007 , 5, 307-21	2.5	12
49	Magnetic Resonance Imaging of the Myocardium 2007 , 871-896		
48	Acute myocardial infarction: safety of cardiac MR imaging after percutaneous revascularization with stents. <i>Radiology</i> , 2006 , 240, 674-80	20.5	26
47	Improved detection of coronary artery disease by stress perfusion cardiovascular magnetic resonance with the use of delayed enhancement infarction imaging. <i>Journal of the American College of Cardiology</i> , 2006 , 47, 1630-8	15.1	323
46	Task Force 12: training in advanced cardiovascular imaging (cardiovascular magnetic resonance [CMR]): endorsed by the Society for Cardiovascular Magnetic Resonance. <i>Journal of the American College of Cardiology</i> , 2006 , 47, 910-4	15.1	18
45	Effects of time, dose, and inversion time for acute myocardial infarct size measurements based on magnetic resonance imaging-delayed contrast enhancement. <i>Journal of the American College of Cardiology</i> , 2006 , 47, 2027-33	15.1	113
44	ACCF/ACR/SCCT/SCMR/ASNC/NASCI/SCAI/SIR 2006 appropriateness criteria for cardiac computed tomography and cardiac magnetic resonance imaging: a report of the American College of Cardiology Foundation Quality Strategic Directions Committee Appropriateness Criteria Working Group. <i>American College of Radiology, Society of Cardiovascular Computed Tomography, Society for Cardiovascular Magnetic Resonance, American Society of Nuclear Cardiology, North American Society for Cardiac Imaging, Society for Cardiovascular Journal of the American College of Cardiology</i> , 2006 , 48, 1175-97	15.1	1136
43	Assessment of no-reflow regions using cardiac MRI. <i>Basic Research in Cardiology</i> , 2006 , 101, 383-90	11.8	51
42	Infarct morphology identifies patients with substrate for sustained ventricular tachycardia. <i>Journal of the American College of Cardiology</i> , 2005 , 45, 1104-8	15.1	371
41	Late gadolinium cardiovascular magnetic resonance in the assessment of myocardial viability. <i>Coronary Artery Disease</i> , 2005 , 16, 365-72	1.4	12
40	²³ Na MRI combined with contrast-enhanced ¹ H MRI provides in vivo characterization of infarct healing. <i>Magnetic Resonance in Medicine</i> , 2005 , 53, 843-50	4.4	11

39	Use of cardiac magnetic resonance to assess viability. <i>Current Cardiology Reports</i> , 2005 , 7, 59-64	4.2	8
38	Noninvasive assessment of blood flow based on magnetic resonance global coherent free precession. <i>Circulation</i> , 2005 , 111, 1033-9	16.7	12
37	Technology insight: assessment of myocardial viability by delayed-enhancement magnetic resonance imaging. <i>Nature Clinical Practice Cardiovascular Medicine</i> , 2005 , 2, 150-8		25
36	Delayed enhancement cardiovascular magnetic resonance assessment of non-ischaemic cardiomyopathies. <i>European Heart Journal</i> , 2005 , 26, 1461-74	9.5	644
35	Technology insight: MRI of the myocardium. <i>Nature Clinical Practice Cardiovascular Medicine</i> , 2005 , 2, 597-605; quiz 606		24
34	Frontiers in cardiovascular magnetic resonance. <i>Circulation</i> , 2005 , 112, 135-44	16.7	178
33	Viability assessment by delayed enhancement cardiovascular magnetic resonance: will low-dose dobutamine dull the shine?. <i>Circulation</i> , 2004 , 109, 2476-9	16.7	48
32	Noninvasive cineangiography by magnetic resonance global coherent free precession. <i>Nature Medicine</i> , 2004 , 10, 545-9	50.5	22
31	Magnetic resonance imaging for the assessment of myocardial viability. <i>Journal of Magnetic Resonance Imaging</i> , 2004 , 19, 771-88	5.6	61
30	Myonecrosis following stent placement: association between impaired TIMI myocardial perfusion grade and MRI visualization of microinfarction. <i>Catheterization and Cardiovascular Interventions</i> , 2004 , 61, 472-6	2.7	41
29	Infarct resorption, compensatory hypertrophy, and differing patterns of ventricular remodeling following myocardial infarctions of varying size. <i>Journal of the American College of Cardiology</i> , 2004 , 43, 2124-31	15.1	133
28	How we perform delayed enhancement imaging. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2003 , 5, 505-14	6.9	246
27	Relationship of contractile function to transmural extent of infarction in patients with chronic coronary artery disease. <i>Journal of the American College of Cardiology</i> , 2003 , 42, 505-12	15.1	101
26	MR imaging of myocardial perfusion and viability. <i>Magnetic Resonance Imaging Clinics of North America</i> , 2003 , 11, 49-66	1.6	28
25	Contrast-enhanced MRI and routine single photon emission computed tomography (SPECT) perfusion imaging for detection of subendocardial myocardial infarcts: an imaging study. <i>Lancet, The</i> , 2003 , 361, 374-9	40	1019
24	Gadolinium cardiovascular magnetic resonance predicts reversible myocardial dysfunction and remodeling in patients with heart failure undergoing beta-blocker therapy. <i>Circulation</i> , 2003 , 108, 1945-53	16.7	262
23	Rapid cine MRI of the human heart using reconstruction by estimation of lines and inhibition of fold-in. <i>Magnetic Resonance in Medicine</i> , 2002 , 47, 844-9	4.4	1
22	Reproducibility of chronic infarct size measurement by contrast-enhanced magnetic resonance imaging. <i>Circulation</i> , 2002 , 106, 2322-7	16.7	323

21	Imaging time after Gd-DTPA injection is critical in using delayed enhancement to determine infarct size accurately with magnetic resonance imaging. <i>Circulation</i> , 2002 , 106, e6; author reply e6	16.7	41
20	Myocardial magnetic resonance imaging contrast agent concentrations after reversible and irreversible ischemic injury. <i>Circulation</i> , 2002 , 105, 224-9	16.7	313
19	Myocardial scarring in asymptomatic or mildly symptomatic patients with hypertrophic cardiomyopathy. <i>Journal of the American College of Cardiology</i> , 2002 , 40, 2156-64	15.1	514
18	Limits of detection of regional differences in vasodilated flow in viable myocardium by first-pass magnetic resonance perfusion imaging. <i>Circulation</i> , 2001 , 104, 2412-6	16.7	127
17	Visualization of discrete microinfarction after percutaneous coronary intervention associated with mild creatine kinase-MB elevation. <i>Circulation</i> , 2001 , 103, 2780-3	16.7	371
16	Transmural extent of acute myocardial infarction predicts long-term improvement in contractile function. <i>Circulation</i> , 2001 , 104, 1101-7	16.7	493
15	An improved MR imaging technique for the visualization of myocardial infarction. <i>Radiology</i> , 2001 , 218, 215-23	20.5	1072
14	Theory of high-speed MR imaging of the human heart with the selective line acquisition mode. <i>Radiology</i> , 2001 , 220, 540-7	20.5	408
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11	Microvascular integrity and the time course of myocardial sodium accumulation after acute infarction. <i>Circulation Research</i> , 2000 , 87, 648-55	15.7	43
10	Early assessment of myocardial salvage by contrast-enhanced magnetic resonance imaging. <i>Circulation</i> , 2000 , 102, 1678-83	16.7	149
9	Contrast-enhanced magnetic resonance imaging of myocardium at risk: distinction between reversible and irreversible injury throughout infarct healing. <i>Journal of the American College of Cardiology</i> , 2000 , 36, 1985-91	15.1	434
8	The use of contrast-enhanced magnetic resonance imaging to identify reversible myocardial dysfunction. <i>New England Journal of Medicine</i> , 2000 , 343, 1445-53	59.2	2432
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6	Physiological basis for potassium (³⁹ K) magnetic resonance imaging of the heart. <i>Circulation Research</i> , 1999 , 84, 913-20	15.7	30
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4	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

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2	Myocardial Gd-DTPA kinetics determine MRI contrast enhancement and reflect the extent and severity of myocardial injury after acute reperfused infarction. <i>Circulation</i> , 1996 , 94, 3318-26	16.7	444
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