

Nuclear magnetic resonance imaging of acute myocardial infarction in magnetic relaxation times

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Imaging by nuclear magnetic resonance in patients with chronic ischemic heart disease.. Circulation, 1984, 69, 523-531.	1.6	115
2	Multiplane magnetic resonance imaging of the heart and major vessels: studies in normal volunteers. American Journal of Roentgenology, 1984, 142, 661-667.	2.2	55
3	Nuclear magnetic resonance technology for medical studies. Science, 1984, 226, 288-298.	12.6	112
4	Magnetic resonance imaging in patients with congenital heart disease.. Circulation, 1984, 70, 851-860.	1.6	133
5	Cardiovascular applications of magnetic resonance imaging. Magnetic Resonance Imaging, 1984, 2, 167-183.	1.8	18
6	Effects of transient coronary ischemia and reperfusion on myocardial edema formation and in vitro magnetic relaxation times. Journal of the American College of Cardiology, 1984, 3, 1454-1460.	2.8	27
7	Proton nuclear magnetic resonance tissue analysis of normal, volume overloaded, and dehydrated rabbit myocardium. American Heart Journal, 1984, 108, 159-164.	2.7	11
8	Nuclear magnetic resonance analysis of acute and chronic myocardial infarction in dogs: Alterations in spin-lattice relaxation times. American Heart Journal, 1984, 108, 1292-1297.	2.7	37
9	Imaging and characterization of acute myocardial infarction in vivo by gated nuclear magnetic resonance.. Circulation, 1984, 69, 125-130.	1.6	141
10	Nuclear Magnetic Resonance and Cardiovascular Surgery. Surgical Clinics of North America, 1985, 65, 497-508.	1.5	1
11	Gated magnetic resonance imaging of acute myocardial ischemia in dogs: Application of multiecho techniques and contrast enhancement with Gd DTPA. Magnetic Resonance Imaging, 1985, 3, 255-266.	1.8	20
12	Magnetic resonance imaging and computed tomography in congenital heart disease. Seminars in Roentgenology, 1985, 20, 272-282.	0.6	13
13	Magnetic resonance imaging of the heart. International Journal of Cardiovascular Imaging, 1985, 1, 73-85.	0.6	7
14	Nuclear magnetic resonance spectroscopy of rat ventricles following chronic hypoxia: A model of right ventricular hypertrophy. Magnetic Resonance Imaging, 1985, 3, 353-357.	1.8	5
15	New Directions in Cardiac Imaging. Annals of Internal Medicine, 1985, 102, 795.	3.9	22
16	Assessment of myocardial ischemia with proton magnetic resonance: effects of a three hour coronary occlusion with and without reperfusion.. Circulation, 1985, 71, 595-601.	1.6	98
17	The relationship between proton nuclear magnetic resonance relaxation parameters and myocardial perfusion with acute coronary arterial occlusion and reperfusion.. Circulation, 1985, 71, 823-828.	1.6	65
18	Early detection of canine myocardial infarction by magnetic resonance imaging in vivo.. Circulation, 1985, 71, 587-594.	1.6	87

#	ARTICLE	IF	CITATIONS
19	Detection and characterization of acute myocardial infarction in man with use of gated magnetic resonance.. Circulation, 1985, 71, 717-724.	1.6	163
20	INDIUM-111 LABELLED MONOCLONAL ANTIBODY TO PLACENTAL ALKALINE PHOSPHATASE IN THE DETECTION OF NEOPLASMS OF TESTIS, OVARY, AND CERVIX. Lancet, The, 1985, 326, 350-353.	13.7	63
21	Assessment of cardiac anatomy using nuclear magnetic resonance imaging. Journal of the American College of Cardiology, 1985, 5, 77S-81S.	2.8	21
22	CHARACTERISATION OF ACUTE MYOCARDIAL INFARCTION BY GATED MAGNETIC RESONANCE IMAGING. Lancet, The, 1985, 326, 348-350.	13.7	31
23	Detection and sizing of myocardial ischemia and infarction by nuclear magnetic resonance imaging in the canine heart. American Heart Journal, 1985, 110, 1284-1290.	2.7	47
24	Magnetic resonance imaging of the cardiovascular system. American Heart Journal, 1985, 109, 136-152.	2.7	30
25	Nuclear magnetic resonance analysis of acute myocardial infarction in dogs: The effects of transient coronary ischemia of varying duration and reperfusion on spin lattice relaxation times. American Heart Journal, 1985, 109, 486-490.	2.7	13
26	Tissue characterization by magnetic resonance imaging in hypertrophic cardiomyopathy. American Journal of Cardiology, 1985, 55, 230-232.	1.6	20
27	Origin of the right coronary artery from the pulmonary trunk: Diagnosis by two-dimensional echocardiography. American Journal of Cardiology, 1985, 55, 232-233.	1.6	24
28	Magnetic resonance imaging in hypertrophic cardiomyopathy. American Journal of Cardiology, 1985, 55, 1121-1126.	1.6	82
29	Detection and localization of recent myocardial infarction by magnetic resonance imaging. American Journal of Cardiology, 1986, 58, 214-219.	1.6	71
30	Improved in vivo magnetic resonance imaging of acute myocardial infarction after intravenous paramagnetic contrast agent administration. American Journal of Cardiology, 1986, 57, 864-868.	1.6	98
31	Magnetic resonance imaging during acute myocardial infarction. American Journal of Cardiology, 1986, 57, 1059-1065.	1.6	56
32	Serial imaging of canine myocardial infarction by in vivo nuclear magnetic resonance. Journal of the American College of Cardiology, 1986, 7, 843-849.	2.8	60
33	Magnetic resonance imaging of ischemic heart disease. Progress in Cardiovascular Diseases, 1986, 28, 257-266.	3.1	13
34	Potential approaches to evaluating the cardiovascular system using NMR. Progress in Cardiovascular Diseases, 1986, 29, 53-64.	3.1	4
35	Myocardial proton spin-lattice relaxation times in vitro: Effect of elapsed time after excision. Magnetic Resonance Imaging, 1986, 4, 473-478.	1.8	3
36	Magnetic resonance imaging of cardiac transplants: the evaluation of rejection of cardiac allografts with and without immunosuppression.. Circulation, 1986, 74, 145-156.	1.6	105

#	ARTICLE	IF	CITATIONS
37	Overview of MR of the heart--1986. American Journal of Roentgenology, 1986, 146, 907-918.	2.2	62
38	MRI of reperfused myocardial infarct in dogs. American Journal of Roentgenology, 1986, 146, 925-930.	2.2	41
39	ECG-gated T1images of the heart. Physics in Medicine and Biology, 1986, 31, 771-778.	3.0	14
40	Measurement of myocardial infarct size at early and late time intervals using MR imaging: an experimental study in dogs. American Journal of Roentgenology, 1987, 149, 237-243.	2.2	49
41	Acute myocardial infarction: MR evaluation in 29 patients. American Journal of Roentgenology, 1987, 148, 247-251.	2.2	56
43	Magnetic Resonance Imaging for Detection of Arterial and Venous Occlusion in Canine Muscle Flaps and Bowel Segments. Annals of Surgery, 1987, 208, 624-627.	4.2	10
44	Echocardiography and the Evolution of Cardiac Imaging. Echocardiography, 1987, 4, 173-185.	0.9	5
45	Detection of acute myocarditis using nuclear magnetic resonance imaging. American Journal of Medicine, 1987, 83, 1144-1146.	1.5	22
46	Proton nuclear magnetic resonance relaxation times in severe myocardial ischemia. Journal of the American College of Cardiology, 1987, 10, 412-420.	2.8	46
47	Noninvasive quantification of left ventricular myocardial mass by gated proton nuclear magnetic resonance imaging. Journal of the American College of Cardiology, 1987, 10, 682-692.	2.8	67
48	Identification of cardiac rejection with magnetic resonance imaging in heterotopic heart transplantation model. Heart and Vessels, 1987, 3, 135-140.	1.2	14
49	Magnetic resonance imaging of the heart compared with anatomic and ultrasonographic data. Surgical and Radiologic Anatomy, 1987, 9, 303-314.	1.2	11
50	Proton NMR spectroscopy in canine myocardial infarction. Magnetic Resonance in Medicine, 1987, 4, 555-566.	3.0	13
51	Detection of myocardial infarction in the mini-pig using NMR imaging. Magnetic Resonance in Medicine, 1987, 5, 201-216.	3.0	24
52	Visualization of myocardial infarction and subsequent coronary reperfusion with MRI using a dog model. Magnetic Resonance Imaging, 1987, 5, 399-404.	1.8	19
53	Serial nuclear magnetic resonance imaging in acute myocardial infarction. American Journal of Cardiology, 1987, 59, 1203-1205.	1.6	13
54	Assessment of left ventricular wall thickness in healed myocardial infarction by magnetic resonance imaging. American Journal of Cardiology, 1987, 59, 24-28.	1.6	97
55	Advances in clinical imaging. Bailliere's Clinical Anaesthesiology, 1987, 1, 493-516.	0.2	2

#	ARTICLE	IF	CITATIONS
56	Serial changes in nuclear magnetic resonance relaxation times after myocardial infarction in the rabbit: Relationship to water content, severity of ischemia, and histopathology over a six-month period. <i>Magnetic Resonance in Medicine</i> , 1988, 8, 363-379.	3.0	49
57	Myocardial infarction and risk region relationships: Evaluation by direct and noninvasive methods. <i>Progress in Cardiovascular Diseases</i> , 1988, 30, 323-348.	3.1	13
58	Clinical utility of exercise, pacing, and pharmacologic stress testing for the noninvasive determination of myocardial contractility and reserve. <i>American Heart Journal</i> , 1988, 116, 235-247.	2.7	23
59	Myocardial paramagnetic contrast agents for MR imaging. <i>American Journal of Roentgenology</i> , 1988, 151, 865-871.	2.2	26
60	Serial changes in the T1 magnetic relaxation parameter after myocardial infarction in man.. <i>Heart</i> , 1988, 59, 1-8.	2.9	48
61	Assessment of severity of cardiac rejection in heterotopic heart transplantation using indium-111 antimyosin and magnetic resonance imaging. <i>Cardiovascular Research</i> , 1988, 22, 108-112.	3.8	15
62	Overview of Cardiovascular Nuclear Magnetic Resonance Imaging. <i>Cardiology Clinics</i> , 1989, 7, 631-649.	2.2	1
63	Value of magnetic resonance imaging in patients with a recent myocardial infarction: Comparison with planar thallium-201 scintigraphy. <i>CardioVascular and Interventional Radiology</i> , 1989, 12, 119-124.	2.0	21
64	Effect of hyperosmotic mannitol on magnetic resonance relaxation parameters in reperfused canine myocardial infarction. <i>Magnetic Resonance Imaging</i> , 1989, 7, 79-88.	1.8	21
65	Nuclear magnetic resonance relaxometry of the normal heart: Relationship between collagen content and relaxation times of the four chambers. <i>Magnetic Resonance Imaging</i> , 1989, 7, 643-648.	1.8	32
66	Assessment of myocardial infarct size by means of T2-weighted 1H nuclear magnetic resonance imaging. <i>American Heart Journal</i> , 1989, 117, 281-289.	2.7	78
67	In vivo nuclear magnetic resonance imaging of myocardial perfusion using the paramagnetic contrast agent manganese gluconate. <i>Journal of the American College of Cardiology</i> , 1989, 14, 472-480.	2.8	30
68	Magnetic Resonance Imaging of Acute Myocardial Infarction in Pigs Using Gd-DTPA. <i>Acta Radiologica</i> , 1990, 31, 619-624.	1.1	3
69	Detection, characterization and functional assessment of reperfused Q-wave acute myocardial infarction by cine magnetic resonance imaging. <i>American Journal of Cardiology</i> , 1990, 66, 1-9.	1.6	18
70	Effect of tissue fat and water content on nuclear magnetic resonance relaxation times of cardiac and skeletal muscle. <i>Magnetic Resonance Imaging</i> , 1990, 8, 605-611.	1.8	25
71	Detection of intramyocardial hemorrhage using high-field proton (1h) nuclear magnetic resonance imaging. <i>Catheterization and Cardiovascular Diagnosis</i> , 1990, 20, 205-211.	0.3	23
72	Magnetic Resonance Imaging of Acute Myocardial Infarction in Pigs Using Gd-Dtpa. <i>Acta Radiologica</i> , 1990, 31, 619-624.	1.1	7
73	Follow-up of regional myocardial T2 relaxation times in patients with myocardial infarction evaluated with magnetic resonance imaging. <i>European Journal of Radiology</i> , 1990, 11, 110-119.	2.6	31

#	ARTICLE	IF	CITATIONS
74	Distinguishing viable from infarcted myocardium after experimental ischemia and reperfusion by using nuclear magnetic resonance imaging. Journal of the American College of Cardiology, 1990, 15, 1355-1364.	2.8	60
75	Quantitation of acute myocardial infarct size by nuclear magnetic resonance imaging. Journal of the American College of Cardiology, 1990, 15, 143-149.	2.8	44
76	Nuclear magnetic resonance (NMR) imaging in ischemic heart disease. Journal of the American College of Cardiology, 1990, 15, 150-151.	2.8	10
77	Transmural distribution of myocardial edema by NMR relaxometry following myocardial ischemia and reperfusion. American Heart Journal, 1991, 122, 655-664.	2.7	30
78	Magnetic resonance imaging of myocardial infarction: Correlation with enzymatic, angiographic, and radionuclide findings. American Heart Journal, 1991, 122, 1274-1283.	2.7	15
79	Magnetic resonance imaging: A new approach for evaluating coronary artery disease?. American Heart Journal, 1991, 121, 1203-1220.	2.7	19
80	Detection and quantification of recent myocardial infarction: Diagnostic value of multislice spin echo imaging. Computerized Medical Imaging and Graphics, 1991, 15, 101-111.	5.8	1
81	Electrocardiographic correlates of reperfusion status after thrombolysis: Is the "incomplete" or "interrupted" infarction a non-Q-wave infarction?. American Journal of Cardiology, 1991, 68, 520-524.	1.6	18
82	Interventricular differences in myocardial T2 measurements: Experimental and clinical studies. Journal of Magnetic Resonance Imaging, 1991, 1, 513-520.	3.4	3
83	Assessment of postreperfusion myocardial hemorrhage using proton NMR imaging at 1.5 T.. Circulation, 1992, 86, 1018-1025.	1.6	90
84	Delineation of acute myocardial infarction with dysprosium DTPA-BMA: Influence of dose of magnetic susceptibility contrast medium. Journal of the American College of Cardiology, 1992, 20, 1634-1641.	2.8	21
85	Characterization of acute myocardial infarction by magnetic resonance imaging. American Journal of Cardiology, 1992, 69, 1291-1295.	1.6	17
86	NMR relaxation times in acute myocardial infarction: Relative influence of changes in tissue water and fat content. Magnetic Resonance in Medicine, 1992, 23, 89-95.	3.0	36
87	Sequential analysis of infarcted and normal myocardium in piglets using in vivo gadolinium-enhanced MR images. Magnetic Resonance Imaging, 1993, 11, 207-218.	1.8	21
88	Estimation of myocardial water content using transverse relaxation time from dual spin-echo magnetic resonance imaging. Magnetic Resonance Imaging, 1993, 11, 375-383.	1.8	43
89	Quantification of occlusive and reperfused myocardial infarct size with Gd-DTPA-enhanced MR imaging. European Journal of Radiology, 1993, 17, 150-154.	2.6	13
90	Current diagnostic techniques of assessing myocardial viability in patients with hibernating and stunned myocardium.. Circulation, 1993, 87, 1-20.	1.6	652
91	Detection of infarcted tissue in the heart by magnetic resonance imaging. , 0, , .		0

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92	Magnetic resonance imaging and spectroscopy of the human heart. Scandinavian Journal of Clinical and Laboratory Investigation, 1993, 53, 425-437.	1.2	1
93	Magnetic resonance imaging of chronic myocardial infarcts in formalin-fixed human autopsy hearts.. Circulation, 1994, 89, 2133-2140.	1.6	21
94	Contribution of MR imaging in ischemic heart disease. Journal of Magnetic Resonance Imaging, 1994, 4, 233-234.	3.4	5
95	Contrast media for MR imaging of the heart. Journal of Magnetic Resonance Imaging, 1994, 4, 269-279.	3.4	36
96	Water-Macromolecular Proton Magnetization Transfer in Infarcted Myocardium: A Method to Enhance Magnetic Resonance Image Contrast. Magnetic Resonance in Medicine, 1995, 33, 178-184.	3.0	23
97	Measurement of kinetic perfusion parameters of gadoteridol in intact myocardium: Effects of ischemia/reperfusion and coronary vasodilation. Magnetic Resonance Imaging, 1995, 13, 799-806.	1.8	14
98	Detection and modeling of infarcted myocardium regions in MRI images using a contour deformable model. , 0, , .		3
99	Application of a 3-D ischemic heart model derived from MRI data to the simulation of the electrical activity of the heart. , 0, , .		2
100	Myocardial perfusion imaging: clinical experience and recent progress in radionuclide scintigraphy and magnetic resonance imaging. International Journal of Cardiovascular Imaging, 1997, 13, 415-431.	0.6	9
101	MRI for the evaluation of regional myocardial perfusion in an experimental animal model. Journal of Magnetic Resonance Imaging, 1997, 7, 987-995.	3.4	10
102	Novel application of breath-hold turbo spin-echo T2 MRI for detection of acute myocardial infarction. Journal of Magnetic Resonance Imaging, 1997, 7, 996-1001.	3.4	36
103	Title is missing!. Heart Failure Reviews, 1998, 2, 135-156.	3.9	1
105	Magnetic Resonance Imaging of Myocardial Infarct. Topics in Magnetic Resonance Imaging, 2000, 11, 372-382.	1.2	17
106	Conventional high resolution versus fast T2-weighted MR imaging of the heart: assessment of reperfusion induced myocardial injury in an animal model. Magnetic Resonance Imaging, 2000, 18, 1069-1077.	1.8	11
107	Evaluation of Myocardial Viability by MRI. Herz, 2000, 25, 417-430.	1.1	59
108	Role of the Radiologist in Cardiac Diagnostic Imaging. American Journal of Roentgenology, 2000, 175, 1495-1506.	2.2	8
110	Serial Magnetic Resonance Imaging of Global and Regional Left Ventricular Remodeling during 1 Year after Acute Myocardial Infarction. Cardiology, 2001, 96, 106-114.	1.4	24
111	Noninvasive quantification of total sodium concentrations in acute reperfused myocardial infarction using ²³ Na MRI. Magnetic Resonance in Medicine, 2001, 46, 1144-1151.	3.0	77

#	ARTICLE	IF	CITATIONS
112	Relationship between function and perfusion early after acute myocardial infarction. International Journal of Cardiovascular Imaging, 2001, 17, 383-393.	0.6	5
113	The use of Gd-DTPA as a marker of myocardial viability in reperfused acute myocardial infarction. International Journal of Cardiovascular Imaging, 2001, 17, 395-404.	0.6	34
114	An Improved MR Imaging Technique for the Visualization of Myocardial Infarction. Radiology, 2001, 218, 215-223.	7.3	1,265
115	3D Evaluation of Myocardial Edema: Experimental Study on 22 Pigs Using Magnetic Resonance and Tissue Analysis*. Thoracic and Cardiovascular Surgeon, 2001, 49, 199-203.	1.0	20
116	EVALUATION OF MODELS. Biomedizinische Technik, 2002, 47, 919-922.	0.8	0
117	The Assessment of Myocardial Viability: A Review of Current Diagnostic Imaging Approaches. Journal of Cardiovascular Magnetic Resonance, 2002, 4, 381-410.	3.3	30
118	Dynamic three-dimensional visualization of intramyocardial texture. Transplantation Proceedings, 2002, 34, 2194-2198.	0.6	0
119	The Significance of Perfusion Defect at Myocardial Perfusion MR Imaging in a Cat Model of Acute Reperfused Myocardial Infarction. Korean Journal of Radiology, 2002, 3, 235.	3.4	2
120	Imaging of ischemic heart disease. European Radiology, 2002, 12, 1061-1080.	4.5	51
121	Cardiovascular magnetic resonance of acute myocardial infarction at a very early stage. Journal of the American College of Cardiology, 2003, 42, 513-518.	2.8	93
122	Acute Myocardial Infarction: Tissue Characterization with T1-weighted MR Imaging—Initial Experience. Radiology, 2004, 232, 606-610.	7.3	49
123	Delayed Enhancement and T2-Weighted Cardiovascular Magnetic Resonance Imaging Differentiate Acute From Chronic Myocardial Infarction. Circulation, 2004, 109, 2411-2416.	1.6	487
125	Phase-Sensitive Inversion-Recovery MR Imaging in the Detection of Myocardial Infarction. Radiology, 2005, 237, 854-860.	7.3	101
126	Magnetic Resonance Imaging: Historical Perspective. Journal of Cardiovascular Magnetic Resonance, 2006, 8, 573-580.	3.3	70
127	Differentiation of Acute Myocardial Infarction from Chronic Myocardial Scar with MRI. Korean Journal of Radiology, 2006, 7, 1.	3.4	7
128	Characterization of the peri-infarction zone using T2-weighted MRI and delayed-enhancement MRI in patients with acute myocardial infarction. European Radiology, 2006, 16, 2350-2357.	4.5	49
129	MRI relaxation fluctuations in acute reperfused hemorrhagic infarction. Magnetic Resonance in Medicine, 2006, 56, 1311-1319.	3.0	33
130	Postmortem unenhanced magnetic resonance imaging of myocardial infarction in correlation to histological infarction age characterization. European Heart Journal, 2006, 27, 2459-2467.	2.2	108

#	ARTICLE	IF	CITATIONS
131	1â€...M Gd-chelate (gadobutrol) for multislice first-pass magnetic resonance myocardial perfusion imaging. British Journal of Radiology, 2007, 80, 884-892.	2.2	10
132	MRI Characterization of Myocardial Tissue in Patients with Fabry's Disease. American Journal of Roentgenology, 2007, 188, 850-853.	2.2	36
133	Cardiovascular Magnetic Resonance T2-weighted Imaging of Myocardial Edema in Acute Myocardial Infarction. Recent Patents on Cardiovascular Drug Discovery, 2007, 2, 63-68.	1.5	17
134	MRI for the Assessment of Myocardial Viability. Cardiology Clinics, 2007, 25, 35-56.	2.2	41
135	Phase-Sensitive Inversion Recovery Single-Shot Balanced Steady-State Free Precession for Detection of Myocardial Infarction During a Single Breathhold. Academic Radiology, 2007, 14, 1500-1508.	2.5	19
136	MRI for the Assessment of Myocardial Viability. Magnetic Resonance Imaging Clinics of North America, 2007, 15, 505-525.	1.1	12
137	Myocardial T_1 mapping: Application to patients with acute and chronic myocardial infarction. Magnetic Resonance in Medicine, 2007, 58, 34-40.	3.0	309
138	T2-weighted cardiovascular magnetic resonance imaging. Journal of Magnetic Resonance Imaging, 2007, 26, 452-459.	3.4	192
139	MRI evaluation of microvascular obstruction in experimental reperfused acute myocardial infarction using a T1 and T2 preparation pulse sequence. Journal of Magnetic Resonance Imaging, 2007, 26, 1486-1492.	3.4	8
140	Relation between myocardial edema and myocardial mass during the acute and convalescent phase of myocarditis â€“ a CMR study. Journal of Cardiovascular Magnetic Resonance, 2008, 10, 19.	3.3	71
141	Abnormalities in T2-weighted cardiovascular magnetic resonance images of hypertrophic cardiomyopathy: Regional distribution and relation to late gadolinium enhancement and severity of hypertrophy. Journal of Magnetic Resonance Imaging, 2008, 28, 242-245.	3.4	60
142	The Salvaged Area at Risk in Reperfused Acute Myocardial Infarction as Visualized by Cardiovascular Magnetic Resonance. Journal of the American College of Cardiology, 2008, 51, 1581-1587.	2.8	797
143	Myocardial tissue characterization in systemic lupus erythematosus: value of a comprehensive cardiovascular magnetic resonance approach. Lupus, 2008, 17, 561-567.	1.6	62
144	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.	6.2	88
145	T2-weighted magnetic resonance imaging to assess myocardial oedema in ischaemic heart disease. Heart, 2009, 95, 1357-1361.	2.9	32
146	Effects of enzyme-replacement therapy in patients with Anderson-Fabry disease: a prospective long-term cardiac magnetic resonance imaging study. Heart, 2009, 95, 1103-1107.	2.9	71
147	Breathhold multiecho fast spinâ€echo pulse sequence for accurate R_2 measurement in the heart and liver. Magnetic Resonance in Medicine, 2009, 62, 300-306.	3.0	46
148	Investigation of T2-weighted signal intensity of infarcted myocardium and its correlation with delayed enhancement magnetic resonance imaging in a porcine model with reperfused acute myocardial infarction. International Journal of Cardiovascular Imaging, 2009, 25, 111-119.	1.5	16

#	ARTICLE	IF	CITATIONS
149	Signal intensity enhances diagnostic capacity in myocardial infarction. International Journal of Cardiovascular Imaging, 2009, 25, 545-547.	1.5	0
150	T2 quantification for improved detection of myocardial edema. Journal of Cardiovascular Magnetic Resonance, 2009, 11, 56.	3.3	555
151	Myocardial edema is a feature of Tako-Tsubo cardiomyopathy and is related to the severity of systolic dysfunction: Insights from T2-weighted cardiovascular magnetic resonance. International Journal of Cardiology, 2009, 132, 291-293.	1.7	102
152	Cardiac magnetic resonance demonstrates myocardial oedema in remote tissue early after reperfused myocardial infarction. Archives of Cardiovascular Diseases, 2009, 102, 633-639.	1.6	18
153	T2 cardiac magnetic resonance in infarct patients: Sideman or leader?. Archives of Cardiovascular Diseases, 2009, 102, 595-597.	1.6	2
154	Edema as a Very Early Marker for Acute Myocardial Ischemia. Journal of the American College of Cardiology, 2009, 53, 1194-1201.	2.8	202
156	A Closer Look on the Battlefield. JACC: Cardiovascular Imaging, 2009, 2, 577-579.	5.3	3
159	The Use of Cardiovascular Magnetic Resonance in Acute Myocardial Infarction. Current Cardiology Reports, 2010, 12, 76-81.	2.9	10
160	Intramyocardial hemorrhage and microvascular obstruction after primary percutaneous coronary intervention. International Journal of Cardiovascular Imaging, 2010, 26, 49-55.	1.5	95
161	Tissue characterization in Takotsubo cardiomyopathy; a valuable approach?. International Journal of Cardiovascular Imaging, 2010, 26, 233-236.	1.5	1
162	Echocardiography in takotsubo cardiomyopathy; a useful approach?. International Journal of Cardiovascular Imaging, 2010, 26, 537-540.	1.5	7
163	3-D Visualization of Acute RF Ablation Lesions Using MRI for the Simultaneous Determination of the Patterns of Necrosis and Edema. IEEE Transactions on Biomedical Engineering, 2010, 57, 1467-1475.	4.2	89
164	Rotating frame spin lattice relaxation in a swine model of chronic, left ventricular myocardial infarction. Magnetic Resonance in Medicine, 2010, 64, 1453-1460.	3.0	43
165	The Contribution of Intramyocardial Hemorrhage to the "Reflow Phenomenon": A Study Performed by Cardiac Magnetic Resonance. Echocardiography, 2010, 27, 1120-1129.	0.9	8
166	Myocardial edema—a new clinical entity?. Nature Reviews Cardiology, 2010, 7, 292-296.	13.7	125
167	CMR for characterization of the myocardium in acute coronary syndromes. Nature Reviews Cardiology, 2010, 7, 624-636.	13.7	53
168	Myocardial microvascular permeability, interstitial oedema, and compromised cardiac function. Cardiovascular Research, 2010, 87, 331-339.	3.8	140
169	Cardiovascular magnetic resonance imaging in patients with acute myocardial infarction. Heart, 2010, 96, 237-243.	2.9	33

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170	Cardiac magnetic resonance imaging: current status and future directions. Expert Review of Cardiovascular Therapy, 2010, 8, 1175-1189.	1.5	5
171	CMR Imaging of Edema in Myocardial Infarction Using Cine Balanced Steady-State Free Precession. JACC: Cardiovascular Imaging, 2011, 4, 1265-1273.	5.3	24
172	T2-Weighted Imaging to Assess Post-Infarct Myocardium at Risk. JACC: Cardiovascular Imaging, 2011, 4, 1014-1021.	5.3	70
173	Magnetic Resonance Imaging for Area at Risk, Myocardial Infarction, and Myocardial Salvage. Journal of Cardiovascular Pharmacology and Therapeutics, 2011, 16, 313-320.	2.0	35
174	Cardiac Rupture in Acute Myocardial Infarction: Post-mortem MR Imaging. Magnetic Resonance in Medical Sciences, 2011, 10, 255-258.	2.0	5
176	Evaluation of Myocardial Viability With Cardiac Magnetic Resonance Imaging. Progress in Cardiovascular Diseases, 2011, 54, 204-214.	3.1	13
177	The Role of Cardiovascular Magnetic Resonance in Patients With Acute Coronary Syndromes. Progress in Cardiovascular Diseases, 2011, 54, 230-239.	3.1	5
178	Magnetic resonance imaging goes postmortem: noninvasive detection and assessment of myocardial infarction by postmortem MRI. European Radiology, 2011, 21, 70-78.	4.5	70
179	Utility of T2-weighted short-tau inversion recovery (STIR) sequences in cardiac MRI: an overview of clinical applications in ischaemic and non-ischaemic heart disease. Radiologia Medica, 2011, 116, 32-46.	7.7	53
180	T2-weighted cardiovascular magnetic resonance in acute cardiac disease. Journal of Cardiovascular Magnetic Resonance, 2011, 13, 13.	3.3	190
181	T ₂ -weighted STIR imaging of myocardial edema associated with ischemia-reperfusion injury: The influence of proton density effect on image contrast. Journal of Magnetic Resonance Imaging, 2011, 33, 962-967.	3.4	4
182	Myocardial edema imaging in acute coronary syndromes. Journal of Magnetic Resonance Imaging, 2011, 34, 1243-1250.	3.4	15
183	Assessment of tissue edema in patients with acute myocardial infarction by computer-assisted quantification of triple inversion recovery prepared MRI of the myocardium. Magnetic Resonance in Medicine, 2011, 66, 565-574.	3.0	11
184	MRI in acute myocardial infarction. European Heart Journal, 2011, 32, 284-293.	2.2	101
185	Cardiovascular magnetic resonance imaging of myocardial inflammation. Expert Review of Cardiovascular Therapy, 2011, 9, 1193-1201.	1.5	10
186	Bright-Blood T ₂ -Weighted MRI Has High Diagnostic Accuracy for Myocardial Hemorrhage in Myocardial Infarction. Circulation: Cardiovascular Imaging, 2011, 4, 738-745.	2.6	57
187	Controversies in Cardiovascular MR Imaging: Reasons Why Imaging Myocardial T2 Has Clinical and Pathophysiologic Value in Acute Myocardial Infarction. Radiology, 2012, 265, 23-32.	7.3	43
188	Measuring myocardial salvage. Cardiovascular Research, 2012, 94, 266-275.	3.8	57

#	ARTICLE	IF	CITATIONS
189	Advances in molecular imaging of atherosclerosis and myocardial infarction: shedding new light on in vivo cardiovascular biology. American Journal of Physiology - Heart and Circulatory Physiology, 2012, 303, H1397-H1410.	3.2	12
190	Controversies in Cardiovascular MR Imaging: T2-weighted Imaging Should Not Be Used to Delineate the Area at Risk in Ischemic Myocardial Injury. Radiology, 2012, 265, 12-22.	7.3	91
191	A classical phenotype of Anderson-Fabry disease in a female patient with intronic mutations of the GLA gene: a case report. BMC Cardiovascular Disorders, 2012, 12, 39.	1.7	16
192	Cardiovascular magnetic resonance by non contrast T1-mapping allows assessment of severity of injury in acute myocardial infarction. Journal of Cardiovascular Magnetic Resonance, 2012, 14, 15.	3.3	236
193	Cardiovascular magnetic resonance of myocardial edema using a short inversion time inversion recovery (STIR) black-blood technique: Diagnostic accuracy of visual and semi-quantitative assessment. Journal of Cardiovascular Magnetic Resonance, 2012, 14, 22.	3.3	40
194	In vivo chronic myocardial infarction characterization by spin locked cardiovascular magnetic resonance. Journal of Cardiovascular Magnetic Resonance, 2012, 14, 37.	3.3	65
195	Diagnostic and prognostic value of cardiovascular magnetic resonance in non-ischaemic cardiomyopathies. Journal of Cardiovascular Magnetic Resonance, 2012, 14, 33.	3.3	99
196	Post-Conditioning Reduces Infarct Size and Edema in Patients With ST-Segment Elevation Myocardial Infarction. Journal of the American College of Cardiology, 2012, 59, 2175-2181.	2.8	194
197	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.	5.3	283
198	CMR Mapping Techniques for Myocardium at Risk. JACC: Cardiovascular Imaging, 2012, 5, 604-606.	5.3	6
199	Cardiovascular magnetic resonance imaging in ischemic heart disease. Journal of Magnetic Resonance Imaging, 2012, 36, 20-38.	3.4	31
200	Myocardial Edema Imaging by Cardiovascular Magnetic Resonance: Current Status and Future Potential. Current Cardiology Reports, 2012, 14, 1-6.	2.9	22
201	Role of cardiac MRI in evaluating patients with Anderson-Fabry disease: assessing cardiac effects of long-term enzyme replacement therapy. Radiologia Medica, 2012, 117, 19-28.	7.7	38
202	Clinical feasibility study for detection of myocardial oedema by a cine SSFP sequence in comparison to a conventional T2-weighted sequence. Clinical Research in Cardiology, 2012, 101, 125-131.	3.3	8
203	Edema is a sign of early acute myocardial infarction on post-mortem magnetic resonance imaging. Forensic Science, Medicine, and Pathology, 2013, 9, 501-505.	1.4	32
204	High signal intensity on T2-weighted cardiac magnetic resonance imaging correlates with the ventricular tachyarrhythmia in hypertrophic cardiomyopathy. Heart and Vessels, 2013, 28, 742-749.	1.2	23
205	Reproducibility of area at risk assessment in acute myocardial infarction by T1- and T2-mapping sequences in cardiac magnetic resonance imaging in comparison to Tc99m-Sestamibi SPECT. Journal of Cardiovascular Magnetic Resonance, 2013, 15, P204.	3.3	1
206	T2-weighted imaging of the heart—A pictorial review. European Journal of Radiology, 2013, 82, 1755-1762.	2.6	16

#	ARTICLE	IF	CITATIONS
208	Assessing myocardial recovery following ST-segment elevation myocardial infarction: short- and long-term perspectives using cardiovascular magnetic resonance. Expert Review of Cardiovascular Therapy, 2013, 11, 203-219.	1.5	51
209	Non-invasive approaches for the diagnosis of acute cardiac allograft rejection. Heart, 2013, 99, 445-453.	2.9	62
210	MRI for acute chest pain: Current state of the Art. Journal of Magnetic Resonance Imaging, 2013, 37, 1290-1300.	3.4	16
211	Cardiac MRI of acute coronary syndrome. Future Cardiology, 2013, 9, 351-370.	1.2	2
212	Relationship between myocardial edema and left ventricular wall thickness in acute myocardial ischemia: A Magnetic Resonance Imaging study. International Journal of Diagnostic Imaging, 2014, 1, 23.	0.1	0
213	Myocardial Tissue Characterization by Magnetic Resonance Imaging. Journal of Thoracic Imaging, 2014, 29, 147-154.	1.5	122
214	T1 mapping: non-invasive evaluation of myocardial tissue composition by cardiovascular magnetic resonance. Expert Review of Cardiovascular Therapy, 2014, 12, 1455-1464.	1.5	15
215	Distinction of salvaged and infarcted myocardium within the ischaemic area-at-risk with T2 mapping. European Heart Journal Cardiovascular Imaging, 2014, 15, 1048-1053.	1.2	35
216	Native T1 Mapping of the Heart – A Pictorial Review. Clinical Medicine Insights: Cardiology, 2014, 8s4, CMC.S19005.	1.8	71
217	Molecular imaging of myocardial infarction. Basic Research in Cardiology, 2014, 109, 397.	5.9	26
218	T1 Mapping in Ischemic Heart Disease. Current Cardiovascular Imaging Reports, 2014, 7, 1.	0.6	0
219	Animal Models of Tissue Characterization of Area at Risk, Edema and Fibrosis. Current Cardiovascular Imaging Reports, 2014, 7, 1.	0.6	7
220	Myocardial Tissue Characterization: Histological and Pathophysiological Correlation. Current Cardiovascular Imaging Reports, 2014, 7, 9254.	0.6	49
221	T1 mapping in ischaemic heart disease. European Heart Journal Cardiovascular Imaging, 2014, 15, 597-602.	1.2	50
222	Reproducibility of area at risk assessment in acute myocardial infarction by T1- and T2-mapping sequences in cardiac magnetic resonance imaging in comparison to Tc99m-sestamibi SPECT. International Journal of Cardiovascular Imaging, 2014, 30, 1357-1363.	1.5	31
223	Essentials of forensic post-mortem MR imaging in adults. British Journal of Radiology, 2014, 87, 20130567.	2.2	109
224	Multiparametric cardiovascular magnetic resonance surveillance of acute cardiac allograft rejection and characterisation of transplantation-associated myocardial injury: a pilot study. Journal of Cardiovascular Magnetic Resonance, 2014, 16, 52.	3.3	51
225	Cardiovascular magnetic resonance T2 mapping can detect myocardial edema in idiopathic dilated cardiomyopathy. International Journal of Cardiovascular Imaging, 2014, 30, 65-72.	1.5	35

#	ARTICLE	IF	CITATIONS
226	Quantification of myocardial salvage by myocardial perfusion SPECT and cardiac magnetic resonance â€” reference standards for ECG development. Journal of Electrocardiology, 2014, 47, 525-534.	0.9	4
227	Fast T2 gradient-spin-echo (T2-GraSE) mapping for myocardial edema quantification: first in vivo validation in a porcine model of ischemia/reperfusion. Journal of Cardiovascular Magnetic Resonance, 2015, 17, 92.	3.3	68
228	Impact of motion correction on reproducibility and spatial variability of quantitative myocardial T2 mapping. Journal of Cardiovascular Magnetic Resonance, 2015, 17, 46.	3.3	21
229	Cardiovascular Imaging. Investigative Radiology, 2015, 50, 557-570.	6.2	17
230	Performance of T1 and T2 Mapping Cardiovascular Magnetic Resonance to Detect Active Myocarditis in Patients With Recent-Onset Heart Failure. Circulation: Cardiovascular Imaging, 2015, 8, .	2.6	160
231	MR imaging assessment of myocardial edema with T2 mapping. Diagnostic and Interventional Imaging, 2015, 96, 885-890.	3.2	42
232	Cardiotoxicity Due to Chemotherapy: Role of Cardiac Imaging. Current Cardiology Reports, 2015, 17, 564.	2.9	9
233	Myocardial T2 mapping reveals age- and sex-related differences in volunteers. Journal of Cardiovascular Magnetic Resonance, 2015, 17, 9.	3.3	77
234	Post-Infarction LV Remodeling. JACC: Cardiovascular Imaging, 2015, 8, 790-792.	5.3	3
236	Pathophysiology of LV Remodeling inÂSurvivors of STEMI. JACC: Cardiovascular Imaging, 2015, 8, 779-789.	5.3	116
237	Novel insights into an â€œoldâ€•phenomenon: the no reflow. International Journal of Cardiology, 2015, 187, 273-280.	1.7	100
238	Temporal and spatial characteristics of the area at risk investigated using computed tomography and T1-weighted magnetic resonance imaging. Journal of Cardiovascular Magnetic Resonance, 2015, 17, P154.	3.3	0
239	Gradient Spin Echo (GraSE) imaging for fast myocardial T2 mapping. Journal of Cardiovascular Magnetic Resonance, 2015, 17, 12.	3.3	113
240	Diagnosis of myocarditis: Current state and future perspectives. International Journal of Cardiology, 2015, 191, 211-219.	1.7	70
241	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.	1.2	11
242	T�cnicas param�tricas de caracterizaci�n tisular del miocardio mediante resonancia magn�tica (parte) Tj ETQq1 1 0.784314 rgB 0,5 4	0.5	4
243	Parametric methods for characterizing myocardial tissue by magnetic resonance imaging (part 2): T2 mapping. Radiologia, 2015, 57, 471-479.	0.5	3
244	Current State of the Art Cardiovascular MR Imaging Techniques for Assessment of Ischemic Heart Disease. Radiologic Clinics of North America, 2015, 53, 335-344.	1.8	9

#	ARTICLE	IF	CITATIONS
245	T1 Mapping. Magnetic Resonance Imaging Clinics of North America, 2015, 23, 25-34.	1.1	19
246	Remote Ischemic Conditioning Reduces Myocardial Infarct Size and Edema in Patients With ST-Segment Elevation Myocardial Infarction. JACC: Cardiovascular Interventions, 2015, 8, 178-188.	2.9	199
247	The role of MRI and CT for diagnosis and work-up in suspected ACS. Diagnosis, 2016, 3, 143-154.	1.9	5
248	Recent advances in cardiac magnetic resonance. F1000Research, 2016, 5, 2253.	1.6	9
249	Cardiac MRI: a Translational Imaging Tool for Characterizing Anthracycline-Induced Myocardial Remodeling. Current Oncology Reports, 2016, 18, 48.	4.0	17
250	Comprehensive Cardiac Magnetic Resonance Imaging in Patients With Suspected Myocarditis. Journal of the American College of Cardiology, 2016, 67, 1800-1811.	2.8	318
251	Mapeo miocárdico con resonancia magnética cardiaca: valor diagnóstico de las nuevas secuencias. Revista Española De Cardiología, 2016, 69, 849-861.	1.2	15
252	Comprehensive Cardiovascular Magnetic Resonance Assessment in Patients With Sarcoidosis and Preserved Left Ventricular Ejection Fraction. Circulation: Cardiovascular Imaging, 2016, 9, .	2.6	53
253	Myocardial Mapping With Cardiac Magnetic Resonance: The Diagnostic Value of Novel Sequences. Revista Española De Cardiología (English Ed), 2016, 69, 849-861.	0.6	6
254	Prognostic significance of infarct core pathology revealed by quantitative non-contrast in comparison with contrast cardiac magnetic resonance imaging in reperfused ST-elevation myocardial infarction survivors. European Heart Journal, 2016, 37, 1044-1059.	2.2	105
256	Effects of glycaemic variability on cardiac remodelling after reperfused myocardial infarction: Evaluation of streptozotocin-induced diabetic Wistar rats using cardiac magnetic resonance imaging. Diabetes and Metabolism, 2016, 42, 342-350.	2.9	8
257	State of the Art: Clinical Applications of Cardiac T1 Mapping. Radiology, 2016, 278, 658-676.	7.3	158
258	Why Edema Is a Matter of the Heart. Circulation: Cardiovascular Imaging, 2017, 10, .	2.6	5
259	Emerging Cardiac Imaging Modalities for the Early Detection of Cardiotoxicity Due to Anticancer Therapies. Revista Española De Cardiología (English Ed), 2017, 70, 487-495.	0.6	16
260	T2 mapping and T2* imaging in heart failure. Heart Failure Reviews, 2017, 22, 431-440.	3.9	62
261	Tissue characterization by T1 and T2 mapping cardiovascular magnetic resonance imaging to monitor myocardial inflammation in healing myocarditis. European Heart Journal Cardiovascular Imaging, 2017, 18, 744-751.	1.2	81
262	Cardiac transplantation: towards a new noninvasive approach of cardiac allograft rejection. Expert Review of Cardiovascular Therapy, 2017, 15, 307-313.	1.5	8
263	Role of Cardiac Magnetic Resonance Imaging in Myocardial Infarction. Current Cardiology Reports, 2017, 19, 101.	2.9	12

#	ARTICLE	IF	CITATIONS
264	Nuevas técnicas de imagen cardíaca en la detección precoz de cardiotoxicidad secundaria a tratamientos oncológicos. Revista Española De Cardiología, 2017, 70, 487-495.	1.2	29
265	Targeting of Extracellular RNA Reduces Edema Formation and Infarct Size and Improves Survival After Myocardial Infarction in Mice. Journal of the American Heart Association, 2017, 6, .	3.7	27
266	Evaluation of myocardial involvement in patients with connective tissue disorders: a multi-parametric cardiovascular magnetic resonance study. Journal of Cardiovascular Magnetic Resonance, 2016, 18, 67.	3.3	27
267	Acute versus Chronic Myocardial Infarction: Diagnostic Accuracy of Quantitative Native T1 and T2 Mapping versus Assessment of Edema on Standard T2-weighted Cardiovascular MR Images for Differentiation. Radiology, 2017, 285, 83-91.	7.3	59
268	Advances in Quantitative Tissue Characterization in Myocarditis. Current Cardiovascular Imaging Reports, 2017, 10, 1.	0.6	2
269	Quantitative assessment of salvaged myocardial zone and intramyocardial hemorrhage using non-contrast faster T2 mapping in a rat model by 7T MRI. Experimental and Therapeutic Medicine, 2017, 14, 3425-3432.	1.8	1
270	Cardiac magnetic resonance assessment of diastolic dysfunction in acute coronary syndrome. Journal of International Medical Research, 2017, 45, 1680-1692.	1.0	5
271	Clinical recommendations for cardiovascular magnetic resonance mapping of T1, T2, T2* and extracellular volume: A consensus statement by the Society for Cardiovascular Magnetic Resonance (SCMR) endorsed by the European Association for Cardiovascular Imaging (EACVI). Journal of Cardiovascular Magnetic Resonance. 2017, 19, 75.	3.3	1,074
272	Quantification of myocardium at risk in ST- elevation myocardial infarction: a comparison of contrast-enhanced steady-state free precession cine cardiovascular magnetic resonance with coronary angiographic jeopardy scores. Journal of Cardiovascular Magnetic Resonance, 2016, 19, 55.	3.3	4
273	T1-refBlochi: high resolution 3D post-contrast T1 myocardial mapping based on a single 3D late gadolinium enhancement volume, Bloch equations, and a reference T1. Journal of Cardiovascular Magnetic Resonance, 2016, 19, 63.	3.3	16
274	Cardiovascular magnetic resonance imaging assessment of outcomes in acute myocardial infarction. World Journal of Cardiology, 2017, 9, 109.	1.5	26
275	Cardiac MR Characterization of left ventricular remodeling in a swine model of infarct followed by reperfusion. Journal of Magnetic Resonance Imaging, 2018, 48, 808-817.	3.4	16
276	Molecular imaging of cardiac remodelling after myocardial infarction. Basic Research in Cardiology, 2018, 113, 10.	5.9	88
277	T2 Mapping for Noninvasive Assessment of Interstitial Edema in Acute Cardiac Allograft Rejection in a Mouse Model of Heterotopic Heart Transplantation. Investigative Radiology, 2018, 53, 271-277.	6.2	7
278	T2 mapping cardiovascular magnetic resonance identifies the presence of myocardial inflammation in patients with dilated cardiomyopathy as compared to endomyocardial biopsy. European Heart Journal Cardiovascular Imaging, 2018, 19, 574-582.	1.2	42
279	Cardiovascular magnetic resonance guided ablation and intra-procedural visualization of evolving radiofrequency lesions in the left ventricle. Journal of Cardiovascular Magnetic Resonance, 2018, 20, 20.	3.3	28
280	Cardiovascular Magnetic Resonance in Acute ST-Segment Elevation Myocardial Infarction. Circulation, 2018, 137, 1949-1964.	1.6	128
281	Clinical applications of multi-parametric CMR in myocarditis and systemic inflammatory diseases. International Journal of Cardiovascular Imaging, 2018, 34, 35-54.	1.5	79

#	ARTICLE	IF	CITATIONS
282	Simultaneous measurement of T_2 and apparent diffusion coefficient (T_2 +ADC) in the heart with motion-compensated spin echo diffusion-weighted imaging. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 654-662.	3.0	6
283	Myocardial T1 mapping and extracellular volume quantification: an overview of technical and biological confounders. <i>International Journal of Cardiovascular Imaging</i> , 2018, 34, 3-14.	1.5	24
284	Native T1 and T2 mapping by cardiovascular magnetic resonance imaging in pressure overloaded left and right heart diseases. <i>Journal of Thoracic Disease</i> , 2018, 10, 2968-2975.	1.4	21
285	State of the Art in Cardiovascular T2 Mapping: on the Way to a Cardiac Biomarker?. <i>Current Cardiovascular Imaging Reports</i> , 2018, 11, 1.	0.6	5
286	High Signal Intensity on T2-Weighted Cardiovascular Magnetic Resonance Imaging Predicts Life-Threatening Arrhythmic Events in Hypertrophic Cardiomyopathy Patients. <i>Circulation Journal</i> , 2018, 82, 1062-1069.	1.6	23
287	Assessment of the myocardial area at risk: comparing T2-weighted cardiovascular magnetic resonance imaging with contrast-enhanced cine (CE-SSFP) imaging—a DANAMI3 substudy. <i>European Heart Journal Cardiovascular Imaging</i> , 2019, 20, 361-366.	1.2	10
288	Cardiac Magnetic Resonance Imaging. <i>Contemporary Cardiology</i> , 2019, , 511-521.	0.1	0
289	T2 and T2* mapping in ex situ porcine myocardium: myocardial intravariability, temporal stability and the effects of complete coronary occlusion. <i>International Journal of Legal Medicine</i> , 2020, 134, 679-690.	2.2	1
290	Diffusion-weighted imaging in hypertrophic cardiomyopathy: association with high T2-weighted signal intensity in addition to late gadolinium enhancement. <i>International Journal of Cardiovascular Imaging</i> , 2020, 36, 2229-2238.	1.5	4
291	Technical Aspects of in vivo Small Animal CMR Imaging. <i>Frontiers in Physics</i> , 2020, 8, .	2.1	7
292	Myocardial Fluid Balance and Pathophysiology of Myocardial Edema in Coronary Artery Bypass Grafting. <i>Cardiology Research and Practice</i> , 2020, 2020, 1-10.	1.1	3
293	Diagnostic Accuracy of Mapping Techniques and Postprocessing Methods for Acute Myocarditis. <i>American Journal of Roentgenology</i> , 2020, 215, 105-115.	2.2	1
294	Myocardial involvement in eosinophilic granulomatosis with polyangiitis evaluated with cardiopulmonary magnetic resonance. <i>International Journal of Cardiovascular Imaging</i> , 2021, 37, 1371-1381.	1.5	10
295	Medical imaging of tissue engineering and regenerative medicine constructs. <i>Biomaterials Science</i> , 2021, 9, 301-314.	5.4	9
296	Diagnostic Utility of the Simplified Perfusion Fraction for Identifying Myocardial Injury in Patients With Reperused ST-segment Elevation Myocardial Infarction. <i>Journal of Magnetic Resonance Imaging</i> , 2021, 53, 516-526.	3.4	0
297	Cardiovascular Magnetic Resonance Reveals Cardiac Pathophysiology in Autoimmune Rheumatic Diseases. <i>Mediterranean Journal of Rheumatology</i> , 2021, 31, 15.	0.8	9
298	Infection: Myocarditis. , 2021, , 191-232.		0
299	CMR for myocardial characterization in ischemic heart disease: state-of-the-art and future developments. <i>European Radiology Experimental</i> , 2021, 5, 14.	3.4	30

#	ARTICLE	IF	CITATIONS
300	Fat-saturated dark-blood cardiac T2 mapping in a single breath-hold. Magnetic Resonance Imaging, 2021, 81, 24-32.	1.8	3
301	Nuclear Magnetism of Tissue. , 1990, , 279-317.		2
302	Myocardial Edema and Prognosis in Amyloidosis. Journal of the American College of Cardiology, 2018, 71, 2919-2931.	2.8	145
303	Assessment of Myocardial Ischemia and Infarction by Contrast Enhanced Magnetic Resonance Imaging. Cardiology Clinics, 1989, 7, 685-696.	2.2	4
304	MR IMAGING OF ACQUIRED HEART DISEASE. Magnetic Resonance Imaging Clinics of North America, 1996, 4, 253-268.	1.1	2
305	Depiction of Reperfused Myocardial Infarction Using Contrast-Enhanced Spin Echo and Gradient Echo Magnetic Resonance Imaging. Investigative Radiology, 1998, 33, 386-392.	6.2	10
306	31 P Nuclear Magnetic Resonance Spectroscopic Imaging of Regions of Remodeled Myocardium in the Infarcted Rat Heart. Circulation, 1995, 92, 3527-3538.	1.6	38
307	In Vivo MRI Visualization of Acute Myocardial Ischemia and Reperfusion in Ferrets by the Persistent Action of the Contrast Agent Gd(BME-DTTA). Circulation, 1995, 92, 3549-3559.	1.6	17
308	Magnetic Resonance Imaging in Coronary Artery Disease. Circulation, 1995, 92, 2723-2739.	1.6	114
309	Detecting Acute Myocardial Infarction by Diffusion-Weighted versus T2-Weighted Imaging and Myocardial Necrosis Markers. Texas Heart Institute Journal, 2016, 43, 383-391.	0.3	4
310	Post myocardial infarction of the left ventricle: the course ahead seen by cardiac MRI. Cardiovascular Diagnosis and Therapy, 2012, 2, 113-27.	1.7	29
311	Stress Cardiac Magnetic Resonance Myocardial Perfusion Imaging. Journal of the American College of Cardiology, 2021, 78, 1655-1668.	2.8	57
312	The Use of Magnetic Resonance Imaging in Cardiac Transplantation Rejection. , 2001, , 321-338.		0
313	Magnetic Resonance Imaging of the Myocardium. , 2007, , 871-896.		0
314	Magnetic Resonance Imaging of the Heart. , 1985, , 671-679.		0
315	The Measurement of Acute Myocardial Infarct Size by CT. , 1985, , 133-144.		0
316	Magnetic Resonance Imaging for Evaluation of Myocardial Ischemia and Infarction. , 1985, , 145-162.		0
317	Magnetic resonance imaging of the heart. , 1985, , 271-292.		1

#	ARTICLE	IF	CITATIONS
318	MRI Diagnosis; Present and Future. Juntendo, Igaku, 1987, 33, 459-478.	0.1	0
319	Myocardial Perfusion Assessed By Nuclear Magnetic Resonance. Developments in Cardiovascular Medicine, 1987, , 156-169.	0.1	0
320	Gated MRI versus Echocardiography for Evaluation of Congenital Cardiac Malformations. , 1988, , 123-128.		0
322	Magnetic resonance imaging: A new approach for evaluating coronary artery disease?. Developments in Cardiovascular Medicine, 1991, , 1-34.	0.1	0
323	Magnetic resonance imaging of myocardial ischemia and infarction in experimental animal models. Developments in Cardiovascular Medicine, 1991, , 127-145.	0.1	0
324	Magnetic resonance imaging: A new approach for evaluation coronary artery disease?. , 1992, , 125-154.		0
325	Application of contrast agents in magnetic resonance imaging: additional value for detection of myocardial ischemia?. Developments in Cardiovascular Medicine, 1992, , 179-199.	0.1	0
326	Cardiovascular imaging in the nineties. Developments in Cardiovascular Medicine, 1992, , 1-26.	0.1	0
327	Magnetic resonance techniques for the assessment of myocardial viability. Developments in Cardiovascular Medicine, 1994, , 103-140.	0.1	5
329	Diagnostische Darstellung des Herzens in den neunziger Jahren. , 1996, , 1-17.		0
331	Cardiovascular Magnetic Resonance in Cardiac Amyloidosis. Journal of the American College of Cardiology, 2018, 71, 2932-2934.	2.8	0
332	T1 and T2 Mapping and Extracellular Volume in Cardiomyopathy. , 2019, , 391-399.e4.		0
334	Thorax and Vasculature. , 2008, , 663-861.		0
335	Magnetic resonance imaging: present and future applications. Cmaj, 1985, 132, 765-77.	0.1	4
336	Comprehensive cardiac magnetic resonance imaging. Journal of Invasive Cardiology, 2009, 21, 339-45.	0.4	6
337	Magnetic resonance imaging in the diagnostics of myocardial infarction. Polish Journal of Radiology, 2011, 76, 53-7.	0.9	0
338	Diagnostic performance of cardiac magnetic resonance for the detection of acute cardiac allograft rejection: a systematic review and meta-analysis. Journal of Thoracic Disease, 2015, 7, 252-63.	1.4	8
339	An experimental study on use of 7T MRI for evaluation of myocardial infarction in SD rats transfected with pcDNA 3.1(+)/VEGF121 plasmid. American Journal of Translational Research (discontinued), 2016, 8, 3376-86.	0.0	1

#	ARTICLE	IF	CITATIONS
340	Myocardial T2 values at 1.5 T by a segmental approach with healthy aging and gender. European Radiology, 2022, 32, 2962-2975.	4.5	9
341	The role of cardiovascular magnetic resonance in the evaluation of acute myocarditis and inflammatory cardiomyopathies in clinical practice – a comprehensive review. European Heart Journal Cardiovascular Imaging, 2022, 23, 450-464.	1.2	13
343	Cardiac MRI: A preferred method for assessing myocardial ischemia and infarct burden. , 0, , 21-29.		1
344	T2 mapping in myocardial disease: a comprehensive review. Journal of Cardiovascular Magnetic Resonance, 2022, 24, .	3.3	52
346	Cardiac Magnetic Resonance in Fulminant Myocarditis. , 2022, , 185-196.		0
347	Magnetic Resonance Imaging of the Heart. Radiologic Clinics of North America, 1984, 22, 847-858.	1.8	27
348	Acute Response in the Noninfarcted Myocardium Predicts Long-Term Major Adverse Cardiac Events After STEMI. JACC: Cardiovascular Imaging, 2023, 16, 46-59.	5.3	7
349	Magnetic Resonance Imaging of Ischemic Heart Disease. Radiologic Clinics of North America, 1985, 23, 719-726.	1.8	3
350	Cardiac Magnetic Resonance Imaging: The Massachusetts General Hospital Experience. Radiologic Clinics of North America, 1985, 23, 745-764.	1.8	8
351	Gated Magnetic Resonance Imaging for Assessment of Cardiac Function and Myocardial Infarction. Radiologic Clinics of North America, 1985, 23, 449-457.	1.8	8
352	Probing muscle recovery following downhill running using precise mapping of <scp>MRI T</scp>₂ relaxation times. Magnetic Resonance in Medicine, 2023, 90, 1990-2000.	3.0	0
353	The role and mechanisms of microvascular damage in the ischemic myocardium. Cellular and Molecular Life Sciences, 2023, 80, .	5.4	0