

Jeanette Schulz-Menger

List of Publications by Citations

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203
papers

14,030
citations

54
h-index

116
g-index

227
ext. papers

17,135
ext. citations

6
avg, IF

6.12
L-index

#	Paper	IF	Citations
203	Cardiovascular magnetic resonance in myocarditis: A JACC White Paper. <i>Journal of the American College of Cardiology</i> , 2009 , 53, 1475-87	15.1	1541
202	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
201	The salvaged area at risk in reperfused acute myocardial infarction as visualized by cardiovascular magnetic resonance. <i>Journal of the American College of Cardiology</i> , 2008 , 51, 1581-7	15.1	737
200	Myocardial T1 mapping and extracellular volume quantification: a Society for Cardiovascular Magnetic Resonance (SCMR) and CMR Working Group of the European Society of Cardiology consensus statement. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2013 , 15, 92	6.9	684
199	Diagnostic performance of cardiovascular magnetic resonance in patients with suspected acute myocarditis: comparison of different approaches. <i>Journal of the American College of Cardiology</i> , 2005 , 45, 1815-22	15.1	581
198	Cardiovascular Magnetic Resonance in Nonischemic Myocardial Inflammation: Expert Recommendations. <i>Journal of the American College of Cardiology</i> , 2018 , 72, 3158-3176	15.1	555
197	Clinical characteristics and cardiovascular magnetic resonance findings in stress (takotsubo) cardiomyopathy. <i>JAMA - Journal of the American Medical Association</i> , 2011 , 306, 277-86	27.4	516
196	Blood oxygen level-dependent magnetic resonance imaging in patients with stress-induced angina. <i>Circulation</i> , 2003 , 108, 2219-23	16.7	466
195	Contrast media-enhanced magnetic resonance imaging visualizes myocardial changes in the course of viral myocarditis. <i>Circulation</i> , 1998 , 97, 1802-9	16.7	421
194	Delayed enhancement and T2-weighted cardiovascular magnetic resonance imaging differentiate acute from chronic myocardial infarction. <i>Circulation</i> , 2004 , 109, 2411-6	16.7	420
193	Prevention of cardiac dysfunction during adjuvant breast cancer therapy (PRADA): a 2 × 2 factorial, randomized, placebo-controlled, double-blind clinical trial of candesartan and metoprolol. <i>European Heart Journal</i> , 2016 , 37, 1671-80	9.5	361
192	Bicuspid aortic valve is associated with altered wall shear stress in the ascending aorta. <i>Circulation: Cardiovascular Imaging</i> , 2012 , 5, 457-66	3.9	305
191	Optimization and validation of a fully-integrated pulse sequence for modified look-locker inversion-recovery (MOLLI) T1 mapping of the heart. <i>Journal of Magnetic Resonance Imaging</i> , 2007 , 26, 1081-6	5.6	268
190	Noninvasive detection of fibrosis applying contrast-enhanced cardiac magnetic resonance in different forms of left ventricular hypertrophy relation to remodeling. <i>Journal of the American College of Cardiology</i> , 2009 , 53, 284-91	15.1	262
189	Randomized comparison of reduced fat and reduced carbohydrate hypocaloric diets on intrahepatic fat in overweight and obese human subjects. <i>Hepatology</i> , 2011 , 53, 1504-14	11.2	185
188	Magnetic Resonance Perfusion or Fractional Flow Reserve in Coronary Disease. <i>New England Journal of Medicine</i> , 2019 , 380, 2418-2428	59.2	184
187	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

186	Flow measurement by cardiovascular magnetic resonance: a multi-centre multi-vendor study of background phase offset errors that can compromise the accuracy of derived regurgitant or shunt flow measurements. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2010 , 12, 5	6.9	170
185	COVID-19 pandemic and cardiac imaging: EACVI recommendations on precautions, indications, prioritization, and protection for patients and healthcare personnel. <i>European Heart Journal Cardiovascular Imaging</i> , 2020 , 21, 592-598	4.1	158
184	Myocardial T1 and T2 mapping at 3T: reference values, influencing factors and implications. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2013 , 15, 53	6.9	148
183	EuroCMR (European Cardiovascular Magnetic Resonance) registry: results of the German pilot phase. <i>Journal of the American College of Cardiology</i> , 2009 , 54, 1457-66	15.1	143
182	Detection of acutely impaired microvascular reperfusion after infarct angioplasty with magnetic resonance imaging. <i>Circulation</i> , 2004 , 109, 2080-5	16.7	139
181	T1 mapping in patients with acute myocardial infarction. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2003 , 5, 353-9	6.9	122
180	Subclinical cardiotoxic effects of anthracyclines as assessed by magnetic resonance imaging-a pilot study. <i>American Heart Journal</i> , 2001 , 141, 1007-13	4.9	120
179	Quantification of LV function and mass by cardiovascular magnetic resonance: multi-center variability and consensus contours. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2015 , 17, 63	6.9	105
178	Cardiac magnetic resonance monitors reversible and irreversible myocardial injury in myocarditis. <i>JACC: Cardiovascular Imaging</i> , 2009 , 2, 131-8	8.4	105
177	Long-term follow-up of patients paragraph sign with acute myocarditis by magnetic paragraph sign resonance imaging. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2003 , 16, 17-20	2.8	96
176	Contrast-enhanced cardiovascular magnetic resonance imaging of right ventricular infarction. <i>Journal of the American College of Cardiology</i> , 2006 , 48, 1969-76	15.1	94
175	Role of cardiovascular magnetic resonance in the guidelines of the European Society of Cardiology. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2016 , 18, 6	6.9	92
174	Whole-Body MR Imaging in the German National Cohort: Rationale, Design, and Technical Background. <i>Radiology</i> , 2015 , 277, 206-20	20.5	92
173	Acoustic cardiac triggering: a practical solution for synchronization and gating of cardiovascular magnetic resonance at 7 Tesla. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2010 , 12, 67	6.9	87
172	Quantification of valvular aortic stenosis by magnetic resonance imaging. <i>American Heart Journal</i> , 2002 , 144, 329-34	4.9	83
171	Cardiac Magnetic Resonance Stress Perfusion Imaging for Evaluation of Patients With Chest Pain. <i>Journal of the American College of Cardiology</i> , 2019 , 74, 1741-1755	15.1	82
170	Hypertrophic Cardiomyopathy Registry: The rationale and design of an international, observational study of hypertrophic cardiomyopathy. <i>American Heart Journal</i> , 2015 , 170, 223-30	4.9	82
169	Variability and homogeneity of cardiovascular magnetic resonance myocardial T2-mapping in volunteers compared to patients with edema. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2013 , 15, 27	6.9	80

168	In/opposed phase imaging effectively differentiates fat from enhanced myocardium in patients with myocardial late gadolinium enhancement. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2009 , 11,	6.9	78
167	Comparison of Gadopentetate dimeglumine and Gadobenate dimeglumine in depiction of non-ischemic fibrosis in hypertrophic cardiomyopathy. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2009 , 11,	6.9	78
166	Role of cardiovascular imaging in cancer patients receiving cardiotoxic therapies: a position statement on behalf of the Heart Failure Association (HFA), the European Association of Cardiovascular Imaging (EACVI) and the Cardio-Oncology Council of the European Society of Cardiology (ESC). <i>European Journal of Heart Failure</i> , 2020 , 22, 1504-1524	12.3	74
165	Cardiovascular magnetic resonance of acute myocardial infarction at a very early stage. <i>Journal of the American College of Cardiology</i> , 2003 , 42, 513-8	15.1	73
164	Refined approach for quantification of in vivo ischemia-reperfusion injury in the mouse heart. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2009 , 297, H2054-8	5.2	71
163	Delayed enhancement cardiac magnetic resonance imaging reveals typical patterns of myocardial injury in patients with various forms of non-ischemic heart disease. <i>International Journal of Cardiovascular Imaging</i> , 2008 , 24, 597-607	2.5	70
162	Extracellular Myocardial Volume in Patients With Aortic Stenosis. <i>Journal of the American College of Cardiology</i> , 2020 , 75, 304-316	15.1	69
161	Two-dimensional sixteen channel transmit/receive coil array for cardiac MRI at 7.0 T: design, evaluation, and application. <i>Journal of Magnetic Resonance Imaging</i> , 2012 , 36, 847-57	5.6	67
160	An open-source software tool for the generation of relaxation time maps in magnetic resonance imaging. <i>BMC Medical Imaging</i> , 2010 , 10, 16	2.9	66
159	Measurement of left ventricular dimensions and function in patients with dilated cardiomyopathy. <i>Journal of Magnetic Resonance Imaging</i> , 2001 , 13, 367-71	5.6	66
158	The value of magnetic resonance imaging of the left ventricular outflow tract in patients with hypertrophic obstructive cardiomyopathy after septal artery embolization. <i>Circulation</i> , 2000 , 101, 1764-6	16.7	65
157	Detection and Monitoring of Acute Myocarditis Applying Quantitative Cardiovascular Magnetic Resonance. <i>Circulation: Cardiovascular Imaging</i> , 2017 , 10,	3.9	64
156	Prediction of life-threatening arrhythmic events in patients with chronic myocardial infarction by contrast-enhanced CMR. <i>JACC: Cardiovascular Imaging</i> , 2011 , 4, 871-9	8.4	63
155	Blood flow characteristics in the ascending aorta after aortic valve replacement--a pilot study using 4D-flow MRI. <i>International Journal of Cardiology</i> , 2014 , 170, 426-33	3.2	62
154	Comparison of three multichannel transmit/receive radiofrequency coil configurations for anatomic and functional cardiac MRI at 7.0T: implications for clinical imaging. <i>European Radiology</i> , 2012 , 22, 2211-20	8	61
153	Distinct Subgroups in Hypertrophic Cardiomyopathy in the NHLBI HCM Registry. <i>Journal of the American College of Cardiology</i> , 2019 , 74, 2333-2345	15.1	60
152	Advanced methods for quantification of infarct size in mice using three-dimensional high-field late gadolinium enhancement MRI. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2009 , 296, H1200-8	5.2	58
151	Toward cardiovascular MRI at 7 T: clinical needs, technical solutions and research promises. <i>European Radiology</i> , 2010 , 20, 2806-16	8	55

150	Cardiovascular magnetic resonance imaging detects cardiac involvement in Churg-Strauss syndrome. <i>Journal of Cardiac Failure</i> , 2008 , 14, 856-60	3.3	55
149	Evaluation of Aortic Blood Flow and Wall Shear Stress in Aortic Stenosis and Its Association With Left Ventricular Remodeling. <i>Circulation: Cardiovascular Imaging</i> , 2016 , 9, e004038	3.9	52
148	Cardiac chamber quantification using magnetic resonance imaging at 7 Tesla--a pilot study. <i>European Radiology</i> , 2010 , 20, 2844-52	8	52
147	Contrast-dose relation in first-pass myocardial MR perfusion imaging. <i>Journal of Magnetic Resonance Imaging</i> , 2007 , 25, 1131-5	5.6	52
146	Left ventricular mass and function with reduced-fat or reduced-carbohydrate hypocaloric diets in overweight and obese subjects. <i>Hypertension</i> , 2012 , 59, 70-5	8.5	51
145	Relation between myocardial edema and myocardial mass during the acute and convalescent phase of myocarditis--a CMR study. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2008 , 10, 19	6.9	50
144	Myocardial steatosis, cardiac remodelling and fitness in insulin-sensitive and insulin-resistant obese women. <i>Heart</i> , 2011 , 97, 1585-9	5.1	49
143	Rationale and design of the prevention of cardiac dysfunction during an Adjuvant Breast Cancer Therapy (PRADA) Trial. <i>Cardiology</i> , 2012 , 123, 240-7	1.6	47
142	Cost evaluation of cardiovascular magnetic resonance versus coronary angiography for the diagnostic work-up of coronary artery disease: application of the European Cardiovascular Magnetic Resonance registry data to the German, United Kingdom, Swiss, and United States health care systems. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2012 , 14, 35	6.9	45
141	Design and application of a four-channel transmit/receive surface coil for functional cardiac imaging at 7T. <i>Journal of Magnetic Resonance Imaging</i> , 2011 , 33, 736-41	5.6	45
140	CMR First-Pass Perfusion for Suspected Inducible Myocardial Ischemia. <i>JACC: Cardiovascular Imaging</i> , 2016 , 9, 1338-1348	8.4	44
139	Cardiorespiratory fitness and insulin sensitivity in overweight or obese subjects may be linked through intrahepatic lipid content. <i>Diabetes</i> , 2010 , 59, 1640-7	0.9	42
138	Comparison of left ventricular function assessment using phonocardiogram- and electrocardiogram-triggered 2D SSFP CINE MR imaging at 1.5 T and 3.0 T. <i>European Radiology</i> , 2010 , 20, 1344-55	8	41
137	Training and accreditation in cardiovascular magnetic resonance in Europe: a position statement of the working group on cardiovascular magnetic resonance of the European Society of Cardiology. <i>European Heart Journal</i> , 2011 , 32, 793-8	9.5	39
136	Left ventricular outflow tract planimetry by cardiovascular magnetic resonance differentiates obstructive from non-obstructive hypertrophic cardiomyopathy. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2006 , 8, 741-6	6.9	39
135	Design, evaluation and application of an eight channel transmit/receive coil array for cardiac MRI at 7.0 T. <i>European Journal of Radiology</i> , 2013 , 82, 752-9	4.7	38
134	Long-lasting improvements in liver fat and metabolism despite body weight regain after dietary weight loss. <i>Diabetes Care</i> , 2013 , 36, 3786-92	14.6	38
133	Assessment of the right ventricle with cardiovascular magnetic resonance at 7 Tesla. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2013 , 15, 23	6.9	36

132	Representation of cardiovascular magnetic resonance in the AHA / ACC guidelines. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2017 , 19, 70	6.9	35
131	Clinical effects of phosphodiesterase 3A mutations in inherited hypertension with brachydactyly. <i>Hypertension</i> , 2015 , 66, 800-8	8.5	34
130	Detailing radio frequency heating induced by coronary stents: a 7.0 Tesla magnetic resonance study. <i>PLoS ONE</i> , 2012 , 7, e49963	3.7	33
129	Prognostic impact of T2-weighted CMR imaging for cardiac amyloidosis. <i>European Radiology</i> , 2011 , 21, 1643-50	8	32
128	Functional and morphological cardiac magnetic resonance imaging of mice using a cryogenic quadrature radiofrequency coil. <i>PLoS ONE</i> , 2012 , 7, e42383	3.7	31
127	Moderate dietary weight loss reduces myocardial steatosis in obese and overweight women. <i>International Journal of Cardiology</i> , 2013 , 167, 905-9	3.2	30
126	Blood flow characteristics in the ascending aorta after TAVI compared to surgical aortic valve replacement. <i>International Journal of Cardiovascular Imaging</i> , 2016 , 32, 461-7	2.5	29
125	Comparison of native high-resolution 3D and contrast-enhanced MR angiography for assessing the thoracic aorta. <i>European Heart Journal Cardiovascular Imaging</i> , 2014 , 15, 651-8	4.1	29
124	High spatial resolution and temporally resolved T2* mapping of normal human myocardium at 7.0 Tesla: an ultrahigh field magnetic resonance feasibility study. <i>PLoS ONE</i> , 2012 , 7, e52324	3.7	29
123	Cardiovascular magnetic resonance imaging in ischemic heart disease. <i>Journal of Magnetic Resonance Imaging</i> , 2012 , 36, 20-38	5.6	29
122	Fatty acid binding protein 4 predicts left ventricular mass and longitudinal function in overweight and obese women. <i>Heart</i> , 2013 , 99, 944-8	5.1	29
121	MR Imaging in Patients with Cardiac Pacemakers and Implantable Cardioverter Defibrillators. <i>RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren</i> , 2017 , 189, 204-217	2.3	28
120	Native myocardial T1 time can predict development of subsequent anthracycline-induced cardiomyopathy. <i>ESC Heart Failure</i> , 2018 , 5, 620-629	3.7	28
119	Differential response of the natriuretic peptide system to weight loss and exercise in overweight or obese patients. <i>Journal of Hypertension</i> , 2015 , 33, 1458-64	1.9	28
118	Gender-specific differences in left ventricular remodelling and fibrosis in hypertrophic cardiomyopathy: insights from cardiovascular magnetic resonance. <i>European Journal of Heart Failure</i> , 2008 , 10, 850-4	12.3	28
117	Single- or dual-bolus approach for the assessment of myocardial perfusion reserve in quantitative MR perfusion imaging. <i>Magnetic Resonance in Medicine</i> , 2008 , 59, 1373-7	4.4	28
116	Rapid parametric mapping of the longitudinal relaxation time T1 using two-dimensional variable flip angle magnetic resonance imaging at 1.5 Tesla, 3 Tesla, and 7 Tesla. <i>PLoS ONE</i> , 2014 , 9, e91318	3.7	27
115	Feasibility of cardiovascular magnetic resonance to assess the orifice area of aortic bioprostheses. <i>Circulation: Cardiovascular Imaging</i> , 2009 , 2, 397-404, 2 p following 404	3.9	27

114	Visualization of cardiac involvement in patients with systemic sarcoidosis applying contrast-enhanced magnetic resonance imaging. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2000 , 11, 82-3	2.8	27
113	Cardiac Involvement in Myotonic Dystrophy Type 2 Patients With Preserved Ejection Fraction: Detection by Cardiovascular Magnetic Resonance. <i>Circulation: Cardiovascular Imaging</i> , 2016 , 9,	3.9	26
112	Single-centre survey of the application of cardiovascular magnetic resonance in clinical routine. <i>European Heart Journal Cardiovascular Imaging</i> , 2013 , 14, 62-8	4.1	25
111	Single lipoprotein apheresis session improves cardiac microvascular function in patients with elevated lipoprotein(a): detection by stress/rest perfusion magnetic resonance imaging. <i>Therapeutic Apheresis and Dialysis</i> , 2009 , 13, 129-37	1.9	25
110	Effect of binge drinking on the heart as assessed by cardiac magnetic resonance imaging. <i>JAMA - Journal of the American Medical Association</i> , 2010 , 304, 1328-30	27.4	25
109	Percutaneous transluminal septal artery ablation using polyvinyl alcohol foam particles for septal hypertrophy in patients with hypertrophic obstructive cardiomyopathy: acute and 3-year outcomes. <i>Journal of Endovascular Therapy</i> , 2004 , 11, 705-11	2.5	24
108	Cost-Effectiveness Analysis of Stress Cardiovascular Magnetic Resonance Imaging for Stable Chest Pain Syndromes. <i>JACC: Cardiovascular Imaging</i> , 2020 , 13, 1505-1517	8.4	24
107	Specific removal of C-reactive protein by apheresis in a porcine cardiac infarction model. <i>Blood Purification</i> , 2011 , 31, 9-17	3.1	23
106	High Spatial Resolution Cardiovascular Magnetic Resonance at 7.0 Tesla in Patients with Hypertrophic Cardiomyopathy - First Experiences: Lesson Learned from 7.0 Tesla. <i>PLoS ONE</i> , 2016 , 11, e0148066	3.7	23
105	A pilot study of chronic, low-dose epoetin- β following percutaneous coronary intervention suggests safety, feasibility, and efficacy in patients with symptomatic ischaemic heart failure. <i>European Journal of Heart Failure</i> , 2011 , 13, 560-8	12.3	22
104	Myocardial tissue characterization by contrast-enhanced cardiac magnetic resonance imaging in subjects with prediabetes, diabetes, and normal controls with preserved ejection fraction from the general population. <i>European Heart Journal Cardiovascular Imaging</i> , 2018 , 19, 701-708	4.1	21
103	Prevention of Cardiac Dysfunction During Adjuvant Breast Cancer Therapy (PRADA): Extended Follow-Up of a 2 \times Factorial, Randomized, Placebo-Controlled, Double-Blind Clinical Trial of Candesartan and Metoprolol. <i>Circulation</i> , 2021 , 143, 2431-2440	16.7	21
102	Impact of surgical correction of pectus excavatum on cardiac function: insights on the right ventricle. A cardiovascular magnetic resonance study. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2016 , 22, 38-46	1.8	20
101	Cardiac magnetic resonance imaging during pulmonary hyperinflation in apnea divers. <i>Medicine and Science in Sports and Exercise</i> , 2011 , 43, 2095-101	1.2	20
100	Myocardial effective transverse relaxation time T2* Correlates with left ventricular wall thickness: A 7.0 T MRI study. <i>Magnetic Resonance in Medicine</i> , 2017 , 77, 2381-2389	4.4	19
99	Takotsubo cardiomyopathy after nasal application of epinephrine--a magnetic resonance study. <i>International Journal of Cardiology</i> , 2010 , 145, 308-309	3.2	19
98	Elective percutaneous coronary intervention immediately impairs resting microvascular perfusion assessed by cardiac magnetic resonance imaging. <i>American Heart Journal</i> , 2006 , 151, 891.e1-7	4.9	19
97	The global cardiovascular magnetic resonance registry (GCMR) of the society for cardiovascular magnetic resonance (SCMR): its goals, rationale, data infrastructure, and current developments. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2017 , 19, 23	6.9	18

96	Effect of candesartan and metoprolol on myocardial tissue composition during anthracycline treatment: the PRADA trial. <i>European Heart Journal Cardiovascular Imaging</i> , 2018 , 19, 544-552	4.1	18
95	Integrated biomarkers in cardiomyopathies: cardiovascular magnetic resonance imaging combined with molecular and immunologic markers--a stepwise approach for diagnosis and treatment. <i>Herz</i> , 2007 , 32, 458-72	2.6	18
94	Imaging of Clinically Unrecognized Myocardial Fibrosis in Patients With Suspected Coronary Artery Disease. <i>Journal of the American College of Cardiology</i> , 2020 , 76, 945-957	15.1	18
93	Acute oedema in the evaluation of microvascular reperfusion and myocardial salvage in reperfused myocardial infarction with cardiac magnetic resonance imaging. <i>European Journal of Radiology</i> , 2010 , 74, e12-7	4.7	17
92	ANGPTL8 (Betatrophin) is Expressed in Visceral Adipose Tissue and Relates to Human Hepatic Steatosis in Two Independent Clinical Collectives. <i>Hormone and Metabolic Research</i> , 2017 , 49, 343-349	3.1	16
91	Cardiac magnetic resonance imaging of congenital bicuspid aortic valves and associated aortic pathologies in adults. <i>European Heart Journal Cardiovascular Imaging</i> , 2014 , 15, 673-9	4.1	16
90	Behaviour of implantable coronary stents during magnetic resonance imaging. <i>International Journal of Cardiovascular Interventions</i> , 1999 , 2, 217-222		16
89	High Field Cardiac Magnetic Resonance Imaging: A Case for Ultrahigh Field Cardiac Magnetic Resonance. <i>Circulation: Cardiovascular Imaging</i> , 2017 , 10,	3.9	15
88	Heritability of left ventricular and papillary muscle heart size: a twin study with cardiac magnetic resonance imaging. <i>European Heart Journal</i> , 2009 , 30, 1643-7	9.5	15
87	The diagnostic impact of 2D- versus 3D- left ventricular volumetry by MRI in patients with suspected heart failure. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2000 , 11, 16-9	2.8	15
86	Comparison of fast multi-slice and standard segmented techniques for detection of late gadolinium enhancement in ischemic and non-ischemic cardiomyopathy - a prospective clinical cardiovascular magnetic resonance trial. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2018 , 20, 13	6.9	14
85	On the subjective acceptance during cardiovascular magnetic resonance imaging at 7.0 Tesla. <i>PLoS ONE</i> , 2015 , 10, e0117095	3.7	14
84	Noncorticosteroid immunosuppression limits myocardial damage and contractile dysfunction in eosinophilic granulomatosis with polyangiitis (Churg-Strauss syndrome). <i>Journal of the American College of Cardiology</i> , 2015 , 65, 103-105	15.1	14
83	Temporally resolved parametric assessment of Z-magnetization recovery (TOPAZ): Dynamic myocardial T mapping using a cine steady-state look-locker approach. <i>Magnetic Resonance in Medicine</i> , 2018 , 79, 2087-2100	4.4	14
82	Real-time phase contrast magnetic resonance imaging for assessment of haemodynamics: from phantom to patients. <i>European Radiology</i> , 2016 , 26, 986-96	8	13
81	Gadobutrol-Enhanced Cardiac Magnetic Resonance Imaging for Detection of Coronary Artery Disease. <i>Journal of the American College of Cardiology</i> , 2020 , 76, 1536-1547	15.1	13
80	Aortic dilatation in patients with prosthetic aortic valve: comparison of MRI and echocardiography. <i>Journal of Heart Valve Disease</i> , 2010 , 19, 349-56		13
79	In vitro assessment of heart valve bioprostheses by cardiovascular magnetic resonance: four-dimensional mapping of flow patterns and orifice area planimetry. <i>European Journal of Cardio-thoracic Surgery</i> , 2011 , 40, 736-42	3	11

78	Assessment of mitral bioprostheses using cardiovascular magnetic resonance. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2010 , 12, 36	6.9	11
77	Assessment of late gadolinium enhancement in nonischemic cardiomyopathy: comparison of a fast Phase-Sensitive Inversion Recovery Sequence (PSIR) and a conventional segmented 2D gradient echo recall (GRE) sequence--preliminary findings. <i>Investigative Radiology</i> , 2007 , 42, 671-5	10.1	11
76	Magnetic resonance imaging in patients with cardiomyopathies: when and why. <i>Herz</i> , 2000 , 25, 384-91	2.6	11
75	Magnetic Resonance Imaging Applications on Infiltrative Cardiomyopathies. <i>Journal of Thoracic Imaging</i> , 2016 , 31, 336-347	5.6	11
74	Prospective, randomized comparison of gadopentetate and gadobutrol to assess chronic myocardial infarction applying cardiovascular magnetic resonance. <i>BMC Medical Imaging</i> , 2015 , 15, 55	2.9	10
73	Isometric handgrip exercise during cardiovascular magnetic resonance imaging: set-up and cardiovascular effects. <i>Journal of Magnetic Resonance Imaging</i> , 2013 , 37, 1342-50	5.6	10
72	Magnetic resonance to assess the aortic valve area in aortic stenosis. <i>Journal of the American College of Cardiology</i> , 2004 , 43, 2148; author reply 2148-9	15.1	10
71	Simultaneous high-resolution cardiac T mapping and cine imaging using model-based iterative image reconstruction. <i>Magnetic Resonance in Medicine</i> , 2019 , 81, 1080-1091	4.4	10
70	Quantitative, Organ-Specific Interscanner and Intra-scanner Variability for 3 T Whole-Body Magnetic Resonance Imaging in a Multicenter, Multivendor Study. <i>Investigative Radiology</i> , 2016 , 51, 255-65	10.1	9
69	Cardiorenal sodium MRI at 7.0 Tesla using a 4/4 channel H/ Na radiofrequency antenna array. <i>Magnetic Resonance in Medicine</i> , 2019 , 82, 2343-2356	4.4	9
68	Effects of heart valve prostheses on phase contrast flow measurements in Cardiovascular Magnetic Resonance - a phantom study. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2017 , 19, 5	6.9	9
67	Cardiovascular magnetic resonance imaging of non-ischaemic heart disease: established and emerging applications. <i>Heart Lung and Circulation</i> , 2010 , 19, 117-32	1.8	9
66	Assessment of the effect of external counterpulsation on myocardial adaptive arteriogenesis by invasive functional measurements--design of the arteriogenesis network trial 2. <i>International Journal of Cardiology</i> , 2010 , 145, 432-7	3.2	9
65	Quantification of the left atrium applying cardiovascular magnetic resonance in clinical routine. <i>Scandinavian Cardiovascular Journal</i> , 2018 , 52, 85-92	2	8
64	The growth and evolution of cardiovascular magnetic resonance: a 20-year history of the Society for Cardiovascular Magnetic Resonance (SCMR) annual scientific sessions. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2018 , 20, 8	6.9	8
63	Cardiovascular magnetic resonance imaging of myocardial inflammation. <i>Expert Review of Cardiovascular Therapy</i> , 2011 , 9, 1193-201	2.5	8
62	A multi-vendor, multi-center study on reproducibility and comparability of fast strain-encoded cardiovascular magnetic resonance imaging. <i>International Journal of Cardiovascular Imaging</i> , 2020 , 36, 899-911	2.5	8
61	Evaluation of Stress Cardiac Magnetic Resonance Imaging in Risk Reclassification of Patients With Suspected Coronary Artery Disease. <i>JAMA Cardiology</i> , 2020 , 5, 1401-1409	16.2	8

60	Fast myocardial T mapping using cardiac motion correction. <i>Magnetic Resonance in Medicine</i> , 2020 , 83, 438-451	4.4	8
59	Normobaric hypoxic conditioning in men with metabolic syndrome. <i>Physiological Reports</i> , 2018 , 6, e13949	4.6	8
58	Subclinical myocardial injury in patients with Facioscapulohumeral muscular dystrophy 1 and preserved ejection fraction - assessment by cardiovascular magnetic resonance. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2019 , 21, 25	6.9	7
57	Quantification in cardiovascular magnetic resonance: agreement of software from three different vendors on assessment of left ventricular function, 2D flow and parametric mapping. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2019 , 21, 12	6.9	7
56	Current T1 and T2 mapping techniques applied with simple thresholds cannot discriminate acute from chronic myocardial infarction on an individual patient basis: a pilot study. <i>BMC Medical Imaging</i> , 2016 , 16, 35	2.9	7
55	Cardiovascular magnetic resonance in adults with previous cardiovascular surgery. <i>European Heart Journal Cardiovascular Imaging</i> , 2014 , 15, 235-48	4.1	7
54	Quality assurance of quantitative cardiac T1-mapping in multicenter clinical trials - A T1 phantom program from the hypertrophic cardiomyopathy registry (HCMR) study. <i>International Journal of Cardiology</i> , 2021 , 330, 251-258	3.2	7
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