

# Jeanette Schulz-Menger

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/8665064/jeanette-schulz-menger-publications-by-year.pdf>

**Version:** 2024-04-29

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

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	Improving robustness of automatic cardiac function quantification from cine magnetic resonance imaging using synthetic image data.. <i>Scientific Reports</i> , <b>2022</b> , 12, 2391	4.9	0
202	Isotropic 3D compressed sensing (CS) based sequence is comparable to 2D-LGE in left ventricular scar quantification in different disease entities.. <i>International Journal of Cardiovascular Imaging</i> , <b>2022</b> , 1	2.5	
201	Introduction of Lazy Luna an automatic software-driven multilevel comparison of ventricular function quantification in cardiovascular magnetic resonance imaging.. <i>Scientific Reports</i> , <b>2022</b> , 12, 6629	4.9	1
200	Progressive myocardial injury in myotonic dystrophy type II and facioscapulohumeral muscular dystrophy 1: a cardiovascular magnetic resonance follow-up study. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2021</b> , 23, 130	6.9	0
199	Cardiovascular Magnetic Resonance for Patients With COVID-19. <i>JACC: Cardiovascular Imaging</i> , <b>2021</b> ,	8.4	5
198	Stress CMR in patients with obesity: insights from the Stress CMR Perfusion Imaging in the United States (SPINS) registry. <i>European Heart Journal Cardiovascular Imaging</i> , <b>2021</b> , 22, 518-527	4.1	3
197	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> , <b>2021</b> , 330, 251-258	3.2	7
196	Cardiovascular magnetic resonance in women with cardiovascular disease: position statement from the Society for Cardiovascular Magnetic Resonance (SCMR). <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2021</b> , 23, 52	6.9	4
195	Predictors of Major Atrial Fibrillation Endpoints in the National Heart, Lung, and Blood Institute HCMR. <i>JACC: Clinical Electrophysiology</i> , <b>2021</b> , 7, 1376-1386	4.6	1
194	Prevention of Cardiac Dysfunction During Adjuvant Breast Cancer Therapy (PRADA): Extended Follow-Up of a 2x2 Factorial, Randomized, Placebo-Controlled, Double-Blind Clinical Trial of Candesartan and Metoprolol. <i>Circulation</i> , <b>2021</b> , 143, 2431-2440	16.7	21
193	Traveling Volunteers: A Multi-Vendor, Multi-Center Study on Reproducibility and Comparability of 4D Flow Derived Aortic Hemodynamics in Cardiovascular Magnetic Resonance. <i>Journal of Magnetic Resonance Imaging</i> , <b>2021</b> ,	5.6	2
192	Role of CMR Imaging in Diagnostics and Evaluation of Cardiac Involvement in Muscle Dystrophies. <i>Current Heart Failure Reports</i> , <b>2021</b> , 18, 211-224	2.8	
191	The EACVI survey on cardiac imaging in cardio-oncology. <i>European Heart Journal Cardiovascular Imaging</i> , <b>2021</b> , 22, 367-371	4.1	5
190	Impact of sequence type and field strength (1.5, 3, and 7T) on 4D flow MRI hemodynamic aortic parameters in healthy volunteers. <i>Magnetic Resonance in Medicine</i> , <b>2021</b> , 85, 721-733	4.4	6
189	Quantification of myocardial strain assessed by cardiovascular magnetic resonance feature tracking in healthy subjects-influence of segmentation and analysis software. <i>European Radiology</i> , <b>2021</b> , 31, 3962-3972	8.7	7
188	Cardiomyocyte Injury Following Acute Ischemic Stroke: Protocol for a Prospective Observational Cohort Study. <i>JMIR Research Protocols</i> , <b>2021</b> , 10, e24186	2	4
187	Low-fat hypocaloric diet reduces neprilysin in overweight and obese human subjects. <i>ESC Heart Failure</i> , <b>2021</b> , 8, 938-942	3.7	1

186	Markers of Myocardial Damage Predict Mortality in Patients With Aortic Stenosis. <i>Journal of the American College of Cardiology</i> , <b>2021</b> , 78, 545-558	15.1	7
185	Prognostic Value of Stress Cardiac Magnetic Resonance in Patients With Known Coronary Artery Disease. <i>JACC: Cardiovascular Imaging</i> , <b>2021</b> ,	8.4	2
184	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> , <b>2020</b> , 22, 19	6.9	173
183	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> , <b>2020</b> , 22, 1504-1524	12.3	74
182	Myocardial Evaluation of Post-Preeclamptic Women by CMR: Is Early Risk Stratification Possible?. <i>JACC: Cardiovascular Imaging</i> , <b>2020</b> , 13, 1291-1293	8.4	1
181	Extracellular Myocardial Volume in Patients With Aortic Stenosis. <i>Journal of the American College of Cardiology</i> , <b>2020</b> , 75, 304-316	15.1	69
180	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> , <b>2020</b> , 21, 592-598	4.1	158
179	Z-score mapping for standardized analysis and reporting of cardiovascular magnetic resonance modified Look-Locker inversion recovery (MOLLI) T1 data: Normal behavior and validation in patients with amyloidosis. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2020</b> , 22, 6	6.9	6
178	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> , <b>2020</b> , 36, 899-911	2.5	8
177	Cost-Effectiveness Analysis of Stress Cardiovascular Magnetic Resonance Imaging for Stable Chest Pain Syndromes. <i>JACC: Cardiovascular Imaging</i> , <b>2020</b> , 13, 1505-1517	8.4	24
176	Hypoxia and exercise interactions on skeletal muscle insulin sensitivity in obese subjects with metabolic syndrome: results of a randomized controlled trial. <i>International Journal of Obesity</i> , <b>2020</b> , 44, 1119-1128	5.5	4
175	Imaging of Clinically Unrecognized Myocardial Fibrosis in Patients With Suspected Coronary Artery Disease. <i>Journal of the American College of Cardiology</i> , <b>2020</b> , 76, 945-957	15.1	18
174	Cardiovascular disease in women: insights from magnetic resonance imaging. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2020</b> , 22, 71	6.9	5
173	Comparability of compressed sensing-based gradient echo perfusion sequence SPARSE and conventional gradient echo sequence in assessment of myocardial ischemia. <i>European Journal of Radiology</i> , <b>2020</b> , 131, 109213	4.7	1
172	Prognostic Value of Stress CMR Perfusion Imaging in Patients With Reduced Left Ventricular Function. <i>JACC: Cardiovascular Imaging</i> , <b>2020</b> , 13, 2132-2145	8.4	1
171	Assessment of diastolic dysfunction: comparison of different cardiovascular magnetic resonance techniques. <i>ESC Heart Failure</i> , <b>2020</b> , 7, 2637-2649	3.7	4
170	Evaluation of Stress Cardiac Magnetic Resonance Imaging in Risk Reclassification of Patients With Suspected Coronary Artery Disease. <i>JAMA Cardiology</i> , <b>2020</b> , 5, 1401-1409	16.2	8
169	Gadobutrol-Enhanced Cardiac Magnetic Resonance Imaging for Detection of Coronary Artery Disease. <i>Journal of the American College of Cardiology</i> , <b>2020</b> , 76, 1536-1547	15.1	13

168	Fast myocardial T mapping using cardiac motion correction. <i>Magnetic Resonance in Medicine</i> , <b>2020</b> , 83, 438-451	4.4	8
167	Cardiac Magnetic Resonance Stress Perfusion Imaging for Evaluation of Patients With Chest Pain. <i>Journal of the American College of Cardiology</i> , <b>2019</b> , 74, 1741-1755	15.1	82
166	Normal Left and Right Ventricular Volume and Function. <i>Contemporary Cardiology</i> , <b>2019</b> , 77-86	0.1	
165	Magnetic Resonance Perfusion or Fractional Flow Reserve in Coronary Disease. <i>New England Journal of Medicine</i> , <b>2019</b> , 380, 2418-2428	59.2	184
164	Porous medium 3D flow simulation of contrast media washout in cardiac MRI reflects myocardial injury. <i>Magnetic Resonance in Medicine</i> , <b>2019</b> , 82, 775-785	4.4	
163	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> , <b>2019</b> , 21, 25	6.9	7
162	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> , <b>2019</b> , 21, 12	6.9	7
161	Cardiorenal sodium MRI at 7.0 Tesla using a 4/4 channel H/ Na radiofrequency antenna array. <i>Magnetic Resonance in Medicine</i> , <b>2019</b> , 82, 2343-2356	4.4	9
160	Distinct Subgroups in Hypertrophic Cardiomyopathy in the NHLBI HCM Registry. <i>Journal of the American College of Cardiology</i> , <b>2019</b> , 74, 2333-2345	15.1	60
159	Functional LGE Imaging: Cardiac Phase-Resolved Assessment of Focal Fibrosis. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2019</b> , 2019, 3999-4003	0.9	
158	Simultaneous high-resolution cardiac T mapping and cine imaging using model-based iterative image reconstruction. <i>Magnetic Resonance in Medicine</i> , <b>2019</b> , 81, 1080-1091	4.4	10
157	Native myocardial T1 time can predict development of subsequent anthracycline-induced cardiomyopathy. <i>ESC Heart Failure</i> , <b>2018</b> , 5, 620-629	3.7	28
156	Quantification of the left atrium applying cardiovascular magnetic resonance in clinical routine. <i>Scandinavian Cardiovascular Journal</i> , <b>2018</b> , 52, 85-92	2	8
155	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> , <b>2018</b> , 20, 13	6.9	14
154	Myocardial Effective Transverse Relaxation Time T <sub>2</sub> is Elevated in Hypertrophic Cardiomyopathy: A 7.0 T Magnetic Resonance Imaging Study. <i>Scientific Reports</i> , <b>2018</b> , 8, 3974	4.9	5
153	Effect of candesartan and metoprolol on myocardial tissue composition during anthracycline treatment: the PRADA trial. <i>European Heart Journal Cardiovascular Imaging</i> , <b>2018</b> , 19, 544-552	4.1	18
152	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> , <b>2018</b> , 19, 701-708	4.1	21
151	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> , <b>2018</b> , 20, 8	6.9	8

150	Normobaric hypoxic conditioning in men with metabolic syndrome. <i>Physiological Reports</i> , <b>2018</b> , 6, e13942.6		8
149	Cardiovascular Magnetic Resonance in Nonischemic Myocardial Inflammation: Expert Recommendations. <i>Journal of the American College of Cardiology</i> , <b>2018</b> , 72, 3158-3176	15.1	555
148	Shearlet-based compressed sensing for fast 3D cardiac MR imaging using iterative reweighting. <i>Physics in Medicine and Biology</i> , <b>2018</b> , 63, 235004	3.8	4
147	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> , <b>2018</b> , 79, 2087-2100	4.4	14
146	MR Imaging in Patients with Cardiac Pacemakers and Implantable Cardioverter Defibrillators. <i>RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren</i> , <b>2017</b> , 189, 204-217	2.3	28
145	Detection and Monitoring of Acute Myocarditis Applying Quantitative Cardiovascular Magnetic Resonance. <i>Circulation: Cardiovascular Imaging</i> , <b>2017</b> , 10,	3.9	64
144	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> , <b>2017</b> , 19, 23	6.9	18
143	High Field Cardiac Magnetic Resonance Imaging: A Case for Ultrahigh Field Cardiac Magnetic Resonance. <i>Circulation: Cardiovascular Imaging</i> , <b>2017</b> , 10,	3.9	15
142	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> , <b>2017</b> , 49, 343-349	3.1	16
141	Effects of heart valve prostheses on phase contrast flow measurements in Cardiovascular Magnetic Resonance - a phantom study. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2017</b> , 19, 5	6.9	9
140	Myocardial effective transverse relaxation time T2* Correlates with left ventricular wall thickness: A 7.0 T MRI study. <i>Magnetic Resonance in Medicine</i> , <b>2017</b> , 77, 2381-2389	4.4	19
139	Influence of spatial resolution and contrast agent dosage on myocardial T1 relaxation times. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , <b>2017</b> , 30, 85-91	2.8	1
138	Representation of cardiovascular magnetic resonance in the AHA / ACC guidelines. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2017</b> , 19, 70	6.9	35
137	Cardiac Involvement in Myotonic Dystrophy Type 2 Patients With Preserved Ejection Fraction: Detection by Cardiovascular Magnetic Resonance. <i>Circulation: Cardiovascular Imaging</i> , <b>2016</b> , 9,	3.9	26
136	CMR First-Pass Perfusion for Suspected Inducible Myocardial Ischemia. <i>JACC: Cardiovascular Imaging</i> , <b>2016</b> , 9, 1338-1348	8.4	44
135	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> , <b>2016</b> , 51, 255-65	10.1	9
134	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> , <b>2016</b> , 16, 35	2.9	7
133	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> , <b>2016</b> , 22, 38-46	1.8	20

132	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> , <b>2016</b> , 37, 1671-80	9.5	361
131	Evaluation of Aortic Blood Flow and Wall Shear Stress in Aortic Stenosis and Its Association With Left Ventricular Remodeling. <i>Circulation: Cardiovascular Imaging</i> , <b>2016</b> , 9, e004038	3.9	52
130	Blood flow characteristics in the ascending aorta after TAVI compared to surgical aortic valve replacement. <i>International Journal of Cardiovascular Imaging</i> , <b>2016</b> , 32, 461-7	2.5	29
129	Real-time phase contrast magnetic resonance imaging for assessment of haemodynamics: from phantom to patients. <i>European Radiology</i> , <b>2016</b> , 26, 986-96	8	13
128	Role of cardiovascular magnetic resonance in the guidelines of the European Society of Cardiology. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2016</b> , 18, 6	6.9	92
127	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> , <b>2016</b> , 11, e0148066	3.7	23
126	Myocardial dysfunction in patients with aortic stenosis and hypertensive heart disease assessed by MR tissue phase mapping. <i>Journal of Magnetic Resonance Imaging</i> , <b>2016</b> , 44, 168-77	5.6	6
125	Magnetic Resonance Imaging Applications on Infiltrative Cardiomyopathies. <i>Journal of Thoracic Imaging</i> , <b>2016</b> , 31, 336-347	5.6	11
124	A multicenter cardiovascular MR network for tele-training and beyond: setup and initial experiences. <i>Journal of the American College of Radiology</i> , <b>2015</b> , 12, 876-83	3.5	6
123	On the subjective acceptance during cardiovascular magnetic resonance imaging at 7.0 Tesla. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2015</b> , 17,	6.9	1
122	Advanced Cardiovascular Magnetic Resonance Techniques <b>2015</b> , 315-325		
121	Clinical effects of phosphodiesterase 3A mutations in inherited hypertension with brachydactyly. <i>Hypertension</i> , <b>2015</b> , 66, 800-8	8.5	34
120	Quantification of LV function and mass by cardiovascular magnetic resonance: multi-center variability and consensus contours. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2015</b> , 17, 63	6.9	105
119	Prospective, randomized comparison of gadopentetate and gadobutrol to assess chronic myocardial infarction applying cardiovascular magnetic resonance. <i>BMC Medical Imaging</i> , <b>2015</b> , 15, 55	2.9	10
118	Differential response of the natriuretic peptide system to weight loss and exercise in overweight or obese patients. <i>Journal of Hypertension</i> , <b>2015</b> , 33, 1458-64	1.9	28
117	Whole-Body MR Imaging in the German National Cohort: Rationale, Design, and Technical Background. <i>Radiology</i> , <b>2015</b> , 277, 206-20	20.5	92
116	Hypertrophic Cardiomyopathy Registry: The rationale and design of an international, observational study of hypertrophic cardiomyopathy. <i>American Heart Journal</i> , <b>2015</b> , 170, 223-30	4.9	82
115	On the subjective acceptance during cardiovascular magnetic resonance imaging at 7.0 Tesla. <i>PLoS ONE</i> , <b>2015</b> , 10, e0117095	3.7	14

114	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> , <b>2015</b> , 65, 103-105	15.1	14
113	Cardiovascular magnetic resonance in adults with previous cardiovascular surgery. <i>European Heart Journal Cardiovascular Imaging</i> , <b>2014</b> , 15, 235-48	4.1	7
112	T2-mapping [Clinical Experience]. <i>Current Cardiovascular Imaging Reports</i> , <b>2014</b> , 7, 1	0.7	4
111	Cardiac magnetic resonance imaging of congenital bicuspid aortic valves and associated aortic pathologies in adults. <i>European Heart Journal Cardiovascular Imaging</i> , <b>2014</b> , 15, 673-9	4.1	16
110	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> , <b>2014</b> , 9, e91318	3.7	27
109	Reduced oxygen uptake efficiency slope in patients with cardiac sarcoidosis. <i>PLoS ONE</i> , <b>2014</b> , 9, e102333	3.7	3
108	Comparison of native high-resolution 3D and contrast-enhanced MR angiography for assessing the thoracic aorta. <i>European Heart Journal Cardiovascular Imaging</i> , <b>2014</b> , 15, 651-8	4.1	29
107	Assessment of nonischemic fibrosis in hypertrophic cardiomyopathy: comparison of gadopentetate dimeglumine and gadobenate dimeglumine for enhanced cardiovascular magnetic resonance imaging. <i>Journal of Magnetic Resonance Imaging</i> , <b>2014</b> , 39, 1153-60	5.6	4
106	Blood flow characteristics in the ascending aorta after aortic valve replacement--a pilot study using 4D-flow MRI. <i>International Journal of Cardiology</i> , <b>2014</b> , 170, 426-33	3.2	62
105	Myocardial T1 and T2 mapping at 3T: reference values, influencing factors and implications. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2013</b> , 15, 53	6.9	148
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> , <b>2013</b> , 15, 35	6.9	749
103	Variability and homogeneity of cardiovascular magnetic resonance myocardial T2-mapping in volunteers compared to patients with edema. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2013</b> , 15, 27	6.9	80
102	Assessment of the right ventricle with cardiovascular magnetic resonance at 7 Tesla. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2013</b> , 15, 23	6.9	36
101	Moderate dietary weight loss reduces myocardial steatosis in obese and overweight women. <i>International Journal of Cardiology</i> , <b>2013</b> , 167, 905-9	3.2	30
100	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> , <b>2013</b> , 82, 752-9	4.7	38
99	Long-lasting improvements in liver fat and metabolism despite body weight regain after dietary weight loss. <i>Diabetes Care</i> , <b>2013</b> , 36, 3786-92	14.6	38
98	Fatty acid binding protein 4 predicts left ventricular mass and longitudinal function in overweight and obese women. <i>Heart</i> , <b>2013</b> , 99, 944-8	5.1	29
97	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> , <b>2013</b> , 15, 92	6.9	684

96	Isometric handgrip exercise during cardiovascular magnetic resonance imaging: set-up and cardiovascular effects. <i>Journal of Magnetic Resonance Imaging</i> , <b>2013</b> , 37, 1342-50	5.6	10
95	Single-centre survey of the application of cardiovascular magnetic resonance in clinical routine. <i>European Heart Journal Cardiovascular Imaging</i> , <b>2013</b> , 14, 62-8	4.1	25
94	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> , <b>2012</b> , 22, 2211-20	8	61
93	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> , <b>2012</b> , 14, 35	6.9	45
92	Detailing radio frequency heating induced by coronary stents: a 7.0 Tesla magnetic resonance study. <i>PLoS ONE</i> , <b>2012</b> , 7, e49963	3.7	33
91	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> , <b>2012</b> , 7, e52324	3.7	29
90	Design, construction, and evaluation of a dynamic MR compatible cardiac left ventricle model. <i>Medical Physics</i> , <b>2012</b> , 39, 4800-6	4.4	6
89	Cardiovascular magnetic resonance imaging in ischemic heart disease. <i>Journal of Magnetic Resonance Imaging</i> , <b>2012</b> , 36, 20-38	5.6	29
88	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> , <b>2012</b> , 36, 847-57	5.6	67
87	Rationale and design of the prevention of cardiac dysfunction during an Adjuvant Breast Cancer Therapy (PRADA) Trial. <i>Cardiology</i> , <b>2012</b> , 123, 240-7	1.6	47
86	Left ventricular mass and function with reduced-fat or reduced-carbohydrate hypocaloric diets in overweight and obese subjects. <i>Hypertension</i> , <b>2012</b> , 59, 70-5	8.5	51
85	Bicuspid aortic valve is associated with altered wall shear stress in the ascending aorta. <i>Circulation: Cardiovascular Imaging</i> , <b>2012</b> , 5, 457-66	3.9	305
84	Functional and morphological cardiac magnetic resonance imaging of mice using a cryogenic quadrature radiofrequency coil. <i>PLoS ONE</i> , <b>2012</b> , 7, e42383	3.7	31
83	Complementary assessment of aortic bioprosthetic dysfunction using cardiac magnetic resonance imaging and computed tomography. <i>Journal of Heart Valve Disease</i> , <b>2012</b> , 21, 20-2		3
82	Late gadolinium enhancement in left ventricular dysfunction after trastuzumab. <i>Journal of the American College of Cardiology</i> , <b>2011</b> , 58, 2697-8; author reply 2699-700	15.1	3
81	Prediction of life-threatening arrhythmic events in patients with chronic myocardial infarction by contrast-enhanced CMR. <i>JACC: Cardiovascular Imaging</i> , <b>2011</b> , 4, 871-9	8.4	63
80	Intrathoracic stomach and the effect of food ingestion on left ventricular stroke volume--a magnetic resonance study. <i>International Journal of Cardiology</i> , <b>2011</b> , 151, e12-4	3.2	3
79	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> , <b>2011</b> , 32, 793-8	9.5	39

78	Prognostic impact of T2-weighted CMR imaging for cardiac amyloidosis. <i>European Radiology</i> , <b>2011</b> , 21, 1643-50	8	32
77	Influence of acute and chronic myocardial loading conditions, function, structural changes and extracardiac factors on NT-proBNP in asymptomatic patients with preserved ejection fraction. <i>Clinical Research in Cardiology</i> , <b>2011</b> , 100, 57-65	6.1	6
76	Design and application of a four-channel transmit/receive surface coil for functional cardiac imaging at 7T. <i>Journal of Magnetic Resonance Imaging</i> , <b>2011</b> , 33, 736-41	5.6	45
75	Randomized comparison of reduced fat and reduced carbohydrate hypocaloric diets on intrahepatic fat in overweight and obese human subjects. <i>Hepatology</i> , <b>2011</b> , 53, 1504-14	11.2	185
74	A pilot study of chronic, low-dose epoetin- $\beta$ following percutaneous coronary intervention suggests safety, feasibility, and efficacy in patients with symptomatic ischaemic heart failure. <i>European Journal of Heart Failure</i> , <b>2011</b> , 13, 560-8	12.3	22
73	Cardiovascular magnetic resonance imaging of myocardial inflammation. <i>Expert Review of Cardiovascular Therapy</i> , <b>2011</b> , 9, 1193-201	2.5	8
72	Clinical characteristics and cardiovascular magnetic resonance findings in stress (takotsubo) cardiomyopathy. <i>JAMA - Journal of the American Medical Association</i> , <b>2011</b> , 306, 277-86	27.4	516
71	Specific removal of C-reactive protein by apheresis in a porcine cardiac infarction model. <i>Blood Purification</i> , <b>2011</b> , 31, 9-17	3.1	23
70	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> , <b>2011</b> , 40, 736-42	3	11
69	Myocardial steatosis, cardiac remodelling and fitness in insulin-sensitive and insulin-resistant obese women. <i>Heart</i> , <b>2011</b> , 97, 1585-9	5.1	49
68	Cardiac magnetic resonance imaging during pulmonary hyperinflation in apnea divers. <i>Medicine and Science in Sports and Exercise</i> , <b>2011</b> , 43, 2095-101	1.2	20
67	T2-weighted magnetic resonance imaging to assess myocardial oedema. <i>Heart</i> , <b>2010</b> , 96, 310; author reply 310	5.1	3
66	Cardiac involvement in sporadic inclusion-body myositis. <i>Circulation</i> , <b>2010</b> , 121, 706-8	16.7	6
65	Cardiovascular magnetic resonance imaging of non-ischaemic heart disease: established and emerging applications. <i>Heart Lung and Circulation</i> , <b>2010</b> , 19, 117-32	1.8	9
64	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> , <b>2010</b> , 145, 432-7	3.2	9
63	Takotsubo cardiomyopathy after nasal application of epinephrine--a magnetic resonance study. <i>International Journal of Cardiology</i> , <b>2010</b> , 145, 308-309	3.2	19
62	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> , <b>2010</b> , 74, e12-7	4.7	17
61	Cardiorespiratory fitness and insulin sensitivity in overweight or obese subjects may be linked through intrahepatic lipid content. <i>Diabetes</i> , <b>2010</b> , 59, 1640-7	0.9	42

60	Effect of binge drinking on the heart as assessed by cardiac magnetic resonance imaging. <i>JAMA - Journal of the American Medical Association</i> , <b>2010</b> , 304, 1328-30	27.4	25
59	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> , <b>2010</b> , 20, 1344-55	8	41
58	Cardiac chamber quantification using magnetic resonance imaging at 7 Tesla--a pilot study. <i>European Radiology</i> , <b>2010</b> , 20, 2844-52	8	52
57	Toward cardiovascular MRI at 7 T: clinical needs, technical solutions and research promises. <i>European Radiology</i> , <b>2010</b> , 20, 2806-16	8	55
56	Persistent Cabrol shunt causing severe right heart failure. <i>Annals of Thoracic Surgery</i> , <b>2010</b> , 90, 312	2.7	2
55	An open-source software tool for the generation of relaxation time maps in magnetic resonance imaging. <i>BMC Medical Imaging</i> , <b>2010</b> , 10, 16	2.9	66
54	Assessment of mitral bioprostheses using cardiovascular magnetic resonance. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2010</b> , 12, 36	6.9	11
53	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> , <b>2010</b> , 12, 5	6.9	170
52	Acoustic cardiac triggering: a practical solution for synchronization and gating of cardiovascular magnetic resonance at 7 Tesla. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2010</b> , 12, 67	6.9	87
51	Aortic dilatation in patients with prosthetic aortic valve: comparison of MRI and echocardiography. <i>Journal of Heart Valve Disease</i> , <b>2010</b> , 19, 349-56		13
50	Feasibility of cardiovascular magnetic resonance to assess the orifice area of aortic bioprostheses. <i>Circulation: Cardiovascular Imaging</i> , <b>2009</b> , 2, 397-404, 2 p following 404	3.9	27
49	Heritability of left ventricular and papillary muscle heart size: a twin study with cardiac magnetic resonance imaging. <i>European Heart Journal</i> , <b>2009</b> , 30, 1643-7	9.5	15
48	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> , <b>2009</b> , 296, H1200-8	5.2	58
47	Refined approach for quantification of in vivo ischemia-reperfusion injury in the mouse heart. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2009</b> , 297, H2054-8	5.2	71
46	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> , <b>2009</b> , 13, 129-37	1.9	25
45	T2-weighted cardiovascular magnetic resonance to identify infarct-associated edema in early pregnancy. <i>American Journal of Obstetrics and Gynecology</i> , <b>2009</b> , 200, e12; author reply e12-3	6.4	0
44	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> , <b>2009</b> , 53, 284-91	15.1	262
43	Cardiovascular magnetic resonance in myocarditis: A JACC White Paper. <i>Journal of the American College of Cardiology</i> , <b>2009</b> , 53, 1475-87	15.1	1541

42	EuroCMR (European Cardiovascular Magnetic Resonance) registry: results of the German pilot phase. <i>Journal of the American College of Cardiology</i> , <b>2009</b> , 54, 1457-66	15.1	143
41	Cardiac magnetic resonance monitors reversible and irreversible myocardial injury in myocarditis. <i>JACC: Cardiovascular Imaging</i> , <b>2009</b> , 2, 131-8	8.4	105
40	Evidence across CMR sites and systems of background velocity offset errors requiring correction before accurate measurement of regurgitant and shunt flow. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2009</b> , 11,	6.9	2
39	In/opposed phase imaging effectively differentiates fat from enhanced myocardium in patients with myocardial late gadolinium enhancement. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2009</b> , 11,	6.9	78
38	Comparison of Gadopentetate dimeglumine and Gadobenate dimeglumine in depiction of non-ischemic fibrosis in hypertrophic cardiomyopathy. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2009</b> , 11,	6.9	78
37	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> , <b>2008</b> , 51, 1581-7	15.1	737
36	Cardiovascular magnetic resonance imaging detects cardiac involvement in Churg-Strauss syndrome. <i>Journal of Cardiac Failure</i> , <b>2008</b> , 14, 856-60	3.3	55
35	Use of integrated biomarkers in inflammatory disease of the heart: new insights applying cardiovascular magnetic resonance potential as a biomarker. <i>Expert Opinion on Medical Diagnostics</i> , <b>2008</b> , 2, 883-9		0
34	Gender-specific differences in left ventricular remodelling and fibrosis in hypertrophic cardiomyopathy: insights from cardiovascular magnetic resonance. <i>European Journal of Heart Failure</i> , <b>2008</b> , 10, 850-4	12.3	28
33	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> , <b>2008</b> , 24, 597-607	2.5	70
32	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> , <b>2008</b> , 10, 19	6.9	50
31	Single- or dual-bolus approach for the assessment of myocardial perfusion reserve in quantitative MR perfusion imaging. <i>Magnetic Resonance in Medicine</i> , <b>2008</b> , 59, 1373-7	4.4	28
30	Contrast-dose relation in first-pass myocardial MR perfusion imaging. <i>Journal of Magnetic Resonance Imaging</i> , <b>2007</b> , 25, 1131-5	5.6	52
29	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> , <b>2007</b> , 26, 1081-6	5.6	268
28	Integrated biomarkers in cardiomyopathies: cardiovascular magnetic resonance imaging combined with molecular and immunologic markers--a stepwise approach for diagnosis and treatment. <i>Herz</i> , <b>2007</b> , 32, 458-72	2.6	18
27	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> , <b>2007</b> , 42, 671-5	10.1	11
26	Magnetresonanztomographie, Myokardbiopsie und inflammatorische Kardiomyopathie. <i>Kardiologie Up2date</i> , <b>2006</b> , 2, 289-297	0	
25	Left ventricular outflow tract planimetry by cardiovascular magnetic resonance differentiates obstructive from non-obstructive hypertrophic cardiomyopathy. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2006</b> , 8, 741-6	6.9	39

24	Contrast-enhanced cardiovascular magnetic resonance imaging of right ventricular infarction. <i>Journal of the American College of Cardiology</i> , <b>2006</b> , 48, 1969-76	15.1	94
23	Elective percutaneous coronary intervention immediately impairs resting microvascular perfusion assessed by cardiac magnetic resonance imaging. <i>American Heart Journal</i> , <b>2006</b> , 151, 891.e1-7	4.9	19
22	Cardiac magnetic resonance and cardiac magnetic field mapping in a patient with stress-induced cardiomyopathy (tako-tsubo). <i>PACE - Pacing and Clinical Electrophysiology</i> , <b>2006</b> , 29, 1442-4	1.6	4
21	Returning hypertrophy after surgery in a patient with hypertrophic cardiomyopathy caused by a myosin-binding protein C mutation. <i>International Journal of Cardiology</i> , <b>2005</b> , 100, 343-5	3.2	2
20	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> , <b>2005</b> , 45, 1815-22	15.1	581
19	Letter regarding article by Sharkey et al, "Acute and reversible cardiomyopathy provoked by stress in women from the United States". <i>Circulation</i> , <b>2005</b> , 112, e51; author reply e51	16.7	6
18	Delayed enhancement and T2-weighted cardiovascular magnetic resonance imaging differentiate acute from chronic myocardial infarction. <i>Circulation</i> , <b>2004</b> , 109, 2411-6	16.7	420
17	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> , <b>2004</b> , 11, 705-11	2.5	24
16	Myocardial infarction after coronary revascularization: role of cardiovascular magnetic resonance oedema imaging. <i>European Heart Journal</i> , <b>2004</b> , 25, 2172; author reply 2173	9.5	5
15	Detection of acutely impaired microvascular reperfusion after infarct angioplasty with magnetic resonance imaging. <i>Circulation</i> , <b>2004</b> , 109, 2080-5	16.7	139
14	Magnetic resonance to assess the aortic valve area in aortic stenosis. <i>Journal of the American College of Cardiology</i> , <b>2004</b> , 43, 2148; author reply 2148-9	15.1	10
13	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> , <b>2003</b> , 16, 17-20	2.8	96
12	Cardiovascular magnetic resonance of acute myocardial infarction at a very early stage. <i>Journal of the American College of Cardiology</i> , <b>2003</b> , 42, 513-8	15.1	73
11	Blood oxygen level-dependent magnetic resonance imaging in patients with stress-induced angina. <i>Circulation</i> , <b>2003</b> , 108, 2219-23	16.7	466
10	T1 mapping in patients with acute myocardial infarction. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2003</b> , 5, 353-9	6.9	122
9	Quantification of valvular aortic stenosis by magnetic resonance imaging. <i>American Heart Journal</i> , <b>2002</b> , 144, 329-34	4.9	83
8	Measurement of left ventricular dimensions and function in patients with dilated cardiomyopathy. <i>Journal of Magnetic Resonance Imaging</i> , <b>2001</b> , 13, 367-71	5.6	66
7	Subclinical cardiotoxic effects of anthracyclines as assessed by magnetic resonance imaging-a pilot study. <i>American Heart Journal</i> , <b>2001</b> , 141, 1007-13	4.9	120

6	Magnetic resonance imaging in patients with cardiomyopathies: when and why. <i>Herz</i> , <b>2000</b> , 25, 384-91	2.6	11
5	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> , <b>2000</b> , 11, 16-9	2.8	15
4	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> , <b>2000</b> , 11, 82-3	2.8	27
3	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> , <b>2000</b> , 101, 1764-6	16.7	65
2	Behaviour of implantable coronary stents during magnetic resonance imaging. <i>International Journal of Cardiovascular Interventions</i> , <b>1999</b> , 2, 217-222		16
1	Contrast media-enhanced magnetic resonance imaging visualizes myocardial changes in the course of viral myocarditis. <i>Circulation</i> , <b>1998</b> , 97, 1802-9	16.7	421