

Matthias G Friedrich

List of Publications by Year in descending order

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Version: 2024-02-01

191
papers

20,996
citations

24978

57
h-index

9839

141
g-index

217
all docs

217
docs citations

217
times ranked

13140
citing authors

#	ARTICLE	IF	CITATIONS
1	Cardiovascular Magnetic Resonance in Myocarditis: A JACC White Paper. Journal of the American College of Cardiology, 2009, 53, 1475-1487.	1.2	2,055
2	Cardiovascular Magnetic Resonance in Nonischemic Myocardial Inflammation. Journal of the American College of Cardiology, 2018, 72, 3158-3176.	1.2	1,269
3	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.	1.6	1,074
4	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. Journal of Cardiovascular Magnetic Resonance, 2013, 15, 35.	1.6	1,037
5	Myocardial T1 mapping and extracellular volume quantification: a Society for Cardiovascular Magnetic Resonance (SCMR) and CMR Working Group of the European Society of Cardiology consensus statement. Journal of Cardiovascular Magnetic Resonance, 2013, 15, 92.	1.6	864
6	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.	1.2	797
7	Diagnostic Performance of Cardiovascular Magnetic Resonance in Patients With Suspected Acute Myocarditis. Journal of the American College of Cardiology, 2005, 45, 1815-1822.	1.2	702
8	Clinical Characteristics and Cardiovascular Magnetic Resonance Findings in Stress (Takotsubo) Cardiomyopathy. JAMA - Journal of the American Medical Association, 2011, 306, 277-86.	3.8	636
9	Effect of Frequent Nocturnal Hemodialysis vs Conventional Hemodialysis on Left Ventricular Mass and Quality of Life. JAMA - Journal of the American Medical Association, 2007, 298, 1291.	3.8	603
10	ACCF/ACR/AHA/NASCI/SCMR 2010 Expert Consensus Document on Cardiovascular Magnetic Resonance. Journal of the American College of Cardiology, 2010, 55, 2614-2662.	1.2	559
11	Contrast Media-Enhanced Magnetic Resonance Imaging Visualizes Myocardial Changes in the Course of Viral Myocarditis. Circulation, 1998, 97, 1802-1809.	1.6	514
12	Blood Oxygen Level-Dependent Magnetic Resonance Imaging in Patients with Stress-Induced Angina. Circulation, 2003, 108, 2219-2223.	1.6	502
13	Delayed Enhancement and T2-Weighted Cardiovascular Magnetic Resonance Imaging Differentiate Acute From Chronic Myocardial Infarction. Circulation, 2004, 109, 2411-2416.	1.6	487
14	ACCF/ACR/AHA/NASCI/SCMR 2010 Expert Consensus Document on Cardiovascular Magnetic Resonance. Circulation, 2010, 121, 2462-2508.	1.6	480
15	Standardized image interpretation and post-processing in cardiovascular magnetic resonance - 2020 update. Journal of Cardiovascular Magnetic Resonance, 2020, 22, 19.	1.6	467
16	Non-contrast T1-mapping detects acute myocardial edema with high diagnostic accuracy: a comparison to T2-weighted cardiovascular magnetic resonance. Journal of Cardiovascular Magnetic Resonance, 2012, 14, 53.	1.6	368
17	Randomised, double-blind, placebo-controlled trial of human recombinant growth hormone in patients with chronic heart failure due to dilated cardiomyopathy. Lancet, The, 1998, 351, 1233-1237.	6.3	353
18	Management of Acute Myocarditis and Chronic Inflammatory Cardiomyopathy. Circulation: Heart Failure, 2020, 13, e007405.	1.6	353

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19	T1 Mapping for the Diagnosis of Acute Myocarditis Using CMR. JACC: Cardiovascular Imaging, 2013, 6, 1048-1058.	2.3	318
20	Myocardial T_1 mapping: Application to patients with acute and chronic myocardial infarction. Magnetic Resonance in Medicine, 2007, 58, 34-40.	1.9	309
21	Saturation recovery single-shot acquisition (SASHA) for myocardial T_1 mapping. Magnetic Resonance in Medicine, 2014, 71, 2082-2095.	1.9	307
22	Cardiac MRI Endpoints in Myocardial Infarction Experimental and Clinical Trials. Journal of the American College of Cardiology, 2019, 74, 238-256.	1.2	235
23	Edema as a Very Early Marker for Acute Myocardial Ischemia. Journal of the American College of Cardiology, 2009, 53, 1194-1201.	1.2	202
24	Noninvasive Imaging in Myocarditis. Journal of the American College of Cardiology, 2006, 48, 2085-2093.	1.2	200
25	T_2 -weighted cardiovascular magnetic resonance imaging. Journal of Magnetic Resonance Imaging, 2007, 26, 452-459.	1.9	192
26	T_2 -weighted cardiovascular magnetic resonance in acute cardiac disease. Journal of Cardiovascular Magnetic Resonance, 2011, 13, 13.	1.6	190
27	Imaging in population science: cardiovascular magnetic resonance in 100,000 participants of UK Biobank - rationale, challenges and approaches. Journal of Cardiovascular Magnetic Resonance, 2013, 15, 46.	1.6	188
28	Native T_1 -mapping detects the location, extent and patterns of acute myocarditis without the need for gadolinium contrast agents. Journal of Cardiovascular Magnetic Resonance, 2014, 16, 36.	1.6	184
29	Prognostic Value and Determinants of a Hypointense Infarct Core in T_2 -Weighted Cardiac Magnetic Resonance in Acute Reperfused ST-Elevation Myocardial Infarction. Circulation: Cardiovascular Imaging, 2011, 4, 354-362.	1.3	176
30	Society for Cardiovascular Magnetic Resonance guidelines for reporting cardiovascular magnetic resonance examinations. Journal of Cardiovascular Magnetic Resonance, 2009, 11, 5.	1.6	174
31	SCMR Position Paper (2020) on clinical indications for cardiovascular magnetic resonance. Journal of Cardiovascular Magnetic Resonance, 2020, 22, 76.	1.6	169
32	Comparative Definitions for Moderate-Severe Ischemia in Stress Nuclear, Echocardiography, and Magnetic Resonance Imaging. JACC: Cardiovascular Imaging, 2014, 7, 593-604.	2.3	168
33	Multi-Centre, Multi-Vendor and Multi-Disease Cardiac Segmentation: The M&Ms Challenge. IEEE Transactions on Medical Imaging, 2021, 40, 3543-3554.	5.4	168
34	Detection of Acutely Impaired Microvascular Reperfusion After Infarct Angioplasty With Magnetic Resonance Imaging. Circulation, 2004, 109, 2080-2085.	1.6	157
35	Distinct Subgroups in Hypertrophic Cardiomyopathy in the NHLBI HCM Registry. Journal of the American College of Cardiology, 2019, 74, 2333-2345.	1.2	152
36	Subclinical cardiotoxic effects of anthracyclines as assessed by magnetic resonance imaging - A pilot study. American Heart Journal, 2001, 141, 1007-1013.	1.2	145

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37	Cardiac Magnetic Resonance Assessment of Myocarditis. <i>Circulation: Cardiovascular Imaging</i> , 2013, 6, 833-839.	1.3	145
38	T1 Mapping in Patients with Acute Myocardial Infarction. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2003, 5, 353-359.	1.6	136
39	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.	1.6	135
40	Myocardial edema—a new clinical entity?. <i>Nature Reviews Cardiology</i> , 2010, 7, 292-296.	6.1	125
41	Long-term follow-up of patients with acute myocarditis by magnetic resonance imaging. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2003, 16, 17-20.	1.1	123
42	Hypertrophic Cardiomyopathy Registry: The rationale and design of an international, observational study of hypertrophic cardiomyopathy. <i>American Heart Journal</i> , 2015, 170, 223-230.	1.2	123
43	Contrast-Enhanced Cardiovascular Magnetic Resonance Imaging of Right Ventricular Infarction. <i>Journal of the American College of Cardiology</i> , 2006, 48, 1969-1976.	1.2	107
44	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. <i>International Journal of Cardiology</i> , 2009, 132, 291-293.	0.8	102
45	Quantification of valvular aortic stenosis by magnetic resonance imaging. <i>American Heart Journal</i> , 2002, 144, 329-334.	1.2	97
46	Cardiovascular magnetic resonance of acute myocardial infarction at a very early stage. <i>Journal of the American College of Cardiology</i> , 2003, 42, 513-518.	1.2	93
47	Comparison of long and short axis quantification of left ventricular volume parameters by cardiovascular magnetic resonance, with ex-vivo validation. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2011, 13, 40.	1.6	90
48	Detection and Quantification of Myocardial Reperfusion Hemorrhage Using T2*-Weighted CMR. <i>JACC: Cardiovascular Imaging</i> , 2011, 4, 1274-1283.	2.3	85
49	Tissue Characterization of Acute Myocardial Infarction and Myocarditis by Cardiac Magnetic Resonance. <i>JACC: Cardiovascular Imaging</i> , 2008, 1, 652-662.	2.3	81
50	Chronic Manifestation of Postreperfusion Intramyocardial Hemorrhage as Regional Iron Deposition. <i>Circulation: Cardiovascular Imaging</i> , 2013, 6, 218-228.	1.3	79
51	Cardiovascular Magnetic Resonance for Patients With COVID-19. <i>JACC: Cardiovascular Imaging</i> , 2022, 15, 685-699.	2.3	79
52	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, 1764-1766.	1.6	73
53	T2-Weighted Imaging to Assess Post-Infarct Myocardium at Risk. <i>JACC: Cardiovascular Imaging</i> , 2011, 4, 1014-1021.	2.3	70
54	Oxygenation-sensitive cardiovascular magnetic resonance. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2013, 15, 43.	1.6	66

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55	The PETALE study: Late adverse effects and biomarkers in childhood acute lymphoblastic leukemia survivors. <i>Pediatric Blood and Cancer</i> , 2017, 64, e26361.	0.8	66
56	Impact of the Revision of Arrhythmogenic Right Ventricular Cardiomyopathy/Dysplasia Task Force Criteria on Its Prevalence by CMR Criteria. <i>JACC: Cardiovascular Imaging</i> , 2011, 4, 282-287.	2.3	64
57	Assessment of acute myocarditis by cardiovascular MR: diagnostic performance of shortened protocols. <i>International Journal of Cardiovascular Imaging</i> , 2013, 29, 1077-1083.	0.7	64
58	Society for Cardiovascular Magnetic Resonance (SCMR) guidance for the practice of cardiovascular magnetic resonance during the COVID-19 pandemic. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2020, 22, 26.	1.6	58
59	Blood Oxygen Level-Dependent MRI of Tissue Oxygenation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2005, 25, 1408-1413.	1.1	52
60	CMR First-Pass Perfusion for Suspected Inducible Myocardial Ischemia. <i>JACC: Cardiovascular Imaging</i> , 2016, 9, 1338-1348.	2.3	51
61	Early diagnosis of acute coronary syndrome. <i>European Heart Journal</i> , 2017, 38, 3049-3055.	1.0	50
62	MRI of Arrhythmogenic Right Ventricular Cardiomyopathy/Dysplasia. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2004, 6, 557-563.	1.6	49
63	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, 741-746.	1.6	48
64	Auto-threshold quantification of late gadolinium enhancement in patients with acute heart disease. <i>Journal of Magnetic Resonance Imaging</i> , 2013, 37, 382-390.	1.9	47
65	Predictive value of CMR criteria for LV functional improvement in patients with acute myocarditis. <i>European Heart Journal Cardiovascular Imaging</i> , 2014, 15, 1140-1144.	0.5	46
66	Comparison of different cardiovascular magnetic resonance sequences for native myocardial T1 mapping at 3T. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2016, 18, 65.	1.6	44
67	Feasibility of cardiovascular magnetic resonance to detect oxygenation deficits in patients with multi-vessel coronary artery disease triggered by breathing maneuvers. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2018, 20, 31.	1.6	43
68	Oxygenation-sensitive CMR for assessing vasodilator-induced changes of myocardial oxygenation. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2010, 12, 20.	1.6	42
69	Lessons learned from MPI and physiologic testing in randomized trials of stable ischemic heart disease: COURAGE, BARI 2D, FAME, and ISCHEMIA. <i>Journal of Nuclear Cardiology</i> , 2013, 20, 969-975.	1.4	42
70	Evaluation of Adiposity and Cognitive Function in Adults. <i>JAMA Network Open</i> , 2022, 5, e2146324.	2.8	41
71	Cerebral and myocardial blood flow responses to hypercapnia and hypoxia in humans. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011, 301, H1678-H1686.	1.5	40
72	Diagnostic and Prognostic Value of Long-Axis Strain and Myocardial Contraction Fraction Using Standard Cardiovascular MR Imaging in Patients with Nonischemic Dilated Cardiomyopathies. <i>Radiology</i> , 2017, 283, 681-691.	3.6	38

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73	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.	1.2	38
74	Response of myocardial oxygenation to breathing manoeuvres and adenosine infusion. <i>European Heart Journal Cardiovascular Imaging</i> , 2015, 16, 395-401.	0.5	35
75	No Cardioprotective Benefit of Ischemic Postconditioning in Patients With ST-Segment Elevation Myocardial Infarction. <i>Journal of Interventional Cardiology</i> , 2013, 26, 482-490.	0.5	34
76	Cardiovascular Magnetic Resonance Imaging in Myocarditis. <i>Progress in Cardiovascular Diseases</i> , 2011, 54, 266-275.	1.6	33
77	Patterns of myocardial late enhancement: Typical and atypical features. <i>Archives of Cardiovascular Diseases</i> , 2012, 105, 300-308.	0.7	33
78	Breathing manoeuvre-dependent changes in myocardial oxygenation in healthy humans. <i>European Heart Journal Cardiovascular Imaging</i> , 2014, 15, 409-414.	0.5	32
79	Myocardial contraction fraction derived from cardiovascular magnetic resonance cine images—reference values and performance in patients with heart failure and left ventricular hypertrophy. <i>European Heart Journal Cardiovascular Imaging</i> , 2017, 18, 1414-1422.	0.5	32
80	Hyperoxia Exacerbates Myocardial Ischemia in the Presence of Acute Coronary Artery Stenosis in Swine. <i>Circulation: Cardiovascular Interventions</i> , 2015, 8, e002928.	1.4	31
81	Rationale, design, and methods for Canadian alliance for healthy hearts and minds cohort study (CAHHM) — a Pan Canadian cohort study. <i>BMC Public Health</i> , 2016, 16, 650.	1.2	31
82	What we (don't) know about myocardial injury after COVID-19. <i>European Heart Journal</i> , 2021, 42, 1879-1882.	1.0	30
83	T2-dependent errors in MOLLI T1 values: simulations, phantoms, and in-vivo studies. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2012, 14, .	1.6	28
84	Canadian Society for Cardiovascular Magnetic Resonance (CanSCMR) Recommendations for Cardiovascular Magnetic Resonance Image Analysis and Reporting. <i>Canadian Journal of Cardiology</i> , 2013, 29, 260-265.	0.8	27
85	The emerging clinical role of cardiovascular magnetic resonance imaging. <i>Canadian Journal of Cardiology</i> , 2010, 26, 313-322.	0.8	26
86	Evidence of Myocardial Edema in Patients With Nonischemic Dilated Cardiomyopathy. <i>Clinical Cardiology</i> , 2012, 35, 371-376.	0.7	25
87	Atherosclerosis Imaging and the Canadian Atherosclerosis Imaging Network. <i>Canadian Journal of Cardiology</i> , 2013, 29, 297-303.	0.8	25
88	Natural History of Myocardial Injury and Chamber Remodeling in Acute Myocarditis. <i>Circulation: Cardiovascular Imaging</i> , 2019, 12, e008614.	1.3	25
89	CMR Imaging of Edema in Myocardial Infarction Using Cine Balanced Steady-State Free Precession. <i>JACC: Cardiovascular Imaging</i> , 2011, 4, 1265-1273.	2.3	24
90	Diagnosis of viral myocarditis by cardiac magnetic resonance and viral genome detection in peripheral blood. <i>International Journal of Cardiovascular Imaging</i> , 2013, 29, 121-129.	0.7	24

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91	Definition of Left Ventricular Segments for Cardiac Magnetic Resonance Imaging. <i>JACC: Cardiovascular Imaging</i> , 2018, 11, 926-928.	2.3	23
92	Explaining the variability in cardiovascular risk factors among First Nations communities in Canada: a population-based study. <i>Lancet Planetary Health</i> , The, 2019, 3, e511-e520.	5.1	23
93	Cardiovascular magnetic resonance of cardiac morphology and function: impact of different strategies of contour drawing and indexing. <i>Clinical Research in Cardiology</i> , 2019, 108, 411-429.	1.5	23
94	Partial Congenital Absence of the Pericardium. <i>Circulation</i> , 2007, 116, e126-9.	1.6	22
95	Myocardial Edema Imaging by Cardiovascular Magnetic Resonance: Current Status and Future Potential. <i>Current Cardiology Reports</i> , 2012, 14, 1-6.	1.3	22
96	Late Gadolinium Enhancement in Cardiac Transplant Patients Is Associated With Adverse Ventricular Functional Parameters and Clinical Outcomes. <i>Canadian Journal of Cardiology</i> , 2013, 29, 1076-1083.	0.8	22
97	Relationship of vasodilator-induced changes in myocardial oxygenation with the severity of coronary artery stenosis: a study using oxygenation-sensitive cardiovascular magnetic resonance. <i>European Heart Journal Cardiovascular Imaging</i> , 2014, 15, 1358-1367.	0.5	22
98	Impact of Intermittent Apnea on Myocardial Tissue Oxygenation—A Study Using Oxygenation-Sensitive Cardiovascular Magnetic Resonance. <i>PLoS ONE</i> , 2013, 8, e53282.	1.1	21
99	Breathing Maneuvers as a Vasoactive Stimulus for Detecting Inducible Myocardial Ischemia — An Experimental Cardiovascular Magnetic Resonance Study. <i>PLoS ONE</i> , 2016, 11, e0164524.	1.1	21
100	Hemorrhage in the Myocardium Following Infarction. <i>JACC: Cardiovascular Imaging</i> , 2010, 3, 665-668.	2.3	20
101	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-e17.	1.2	20
102	A comprehensive analysis of cardiac valve plane displacement in healthy adults: age-stratified normal values by cardiac magnetic resonance. <i>International Journal of Cardiovascular Imaging</i> , 2017, 33, 721-729.	0.7	20
103	Increased left ventricular extracellular volume and enhanced twist function in type 1 diabetic individuals. <i>Journal of Applied Physiology</i> , 2017, 123, 394-401.	1.2	19
104	Magnetic Resonance Imaging in Patients with Cardiomyopathies: When and Why. <i>Herz</i> , 2000, 25, 384-391.	0.4	18
105	Impact of hyperventilation and apnea on myocardial oxygenation in patients with obstructive sleep apnea — An oxygenation-sensitive CMR study. <i>Journal of Cardiology</i> , 2017, 69, 489-494.	0.8	18
106	Inductive Network Model for the Radiation Analysis of Electrically Small Parallel-Plate Structures. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2011, 53, 1015-1024.	1.4	17
107	Clinical Characteristics and Cardiovascular Magnetic Resonance Findings in Stress (Takotsubo) Cardiomyopathy. <i>Survey of Anesthesiology</i> , 2012, 56, 205-206.	0.1	17
108	Importance of Reference Muscle Selection in Quantitative Signal Intensity Analysis of T2-Weighted Images of Myocardial Edema Using a T2 Ratio Method. <i>BioMed Research International</i> , 2015, 2015, 1-9.	0.9	17

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109	Normal sex and age-specific parameters in a multi-ethnic population: a cardiovascular magnetic resonance study of the Canadian Alliance for Healthy Hearts and Minds cohort. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2022, 24, 2.	1.6	17
110	Insights Into Myocardial Oxygenation and Cardiovascular Magnetic Resonance Tissue Biomarkers in Heart Failure With Preserved Ejection Fraction. <i>Circulation: Heart Failure</i> , 2022, 15, CIRCHEARTFAILURE121008903.	1.6	17
111	Behaviour of implantable coronary stents during magnetic resonance imaging. <i>International Journal of Cardiovascular Interventions</i> , 1999, 2, 217-222.	0.5	16
112	Cardiovascular Magnetic Resonance of Myocarditis. <i>Current Cardiology Reports</i> , 2010, 12, 82-89.	1.3	16
113	Telmisartan Effectiveness on Left ventricular MAss Reduction (TELMAR) as assessed by magnetic resonance imaging in patients with mild-to-moderate hypertension â€” a prospective, randomised, double-blind comparison of telmisartan with metoprolol over a period of six months â€” rationale and study design. <i>IRAAS - Journal of the Renin-Angiotensin-Aldosterone System</i> , 2003, 4, 234-243.	1.0	15
114	Community delivery of semiautomated fractal analysis tool in cardiac mr for trabecular phenotyping. <i>Journal of Magnetic Resonance Imaging</i> , 2017, 46, 1082-1088.	1.9	15
115	The Future of Cardiovascular Magnetic Resonance Imaging. <i>European Heart Journal</i> , 2017, 38, 1698-1701.	1.0	15
116	The unique role of cardiovascular magnetic resonance imaging in acute myocarditis. <i>F1000Research</i> , 2018, 7, 1153.	0.8	15
117	Magnetic Resonance Imaging in Cardiomyopathies. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2000, 2, 67-82.	1.6	14
118	A New approach towards improved visualization of myocardial edema using T2â€weighted imaging: A cardiovascular magnetic resonance (CMR) study. <i>Journal of Magnetic Resonance Imaging</i> , 2011, 34, 286-292.	1.9	14
119	Exact Analytical Solution for the Via-Plate Capacitance in Multiple-Layer Structures. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2012, 54, 1097-1104.	1.4	14
120	The impact of hematocrit on oxygenation-sensitive cardiovascular magnetic resonance. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2016, 18, 42.	1.6	14
121	Evidence for Acute Myocardial and Skeletal Muscle Injury after Serial Transthoracic Shocks in Healthy Swine. <i>PLoS ONE</i> , 2016, 11, e0162245.	1.1	13
122	Hyperventilation/Breath-Hold Maneuver to Detect Myocardial Ischemia by Strain-Encoded CMR. <i>JACC: Cardiovascular Imaging</i> , 2021, 14, 1932-1944.	2.3	13
123	Myocardial Vascular Function Assessed by Dynamic Oxygenation-sensitive Cardiac Magnetic Resonance Imaging Long-term Following Cardiac Transplantation. <i>Transplantation</i> , 2021, 105, 1347-1355.	0.5	13
124	Effect of Cognitive Reserve on the Association of Vascular Brain Injury With Cognition. <i>Neurology</i> , 2021, 97, e1707-e1716.	1.5	13
125	The role of cardiovascular magnetic resonance in the evaluation of acute myocarditis and inflammatory cardiomyopathies in clinical practice â€” a comprehensive review. <i>European Heart Journal Cardiovascular Imaging</i> , 2022, 23, 450-464.	0.5	13
126	Society for Cardiovascular Magnetic Resonance (SCMR) guidelines for reporting cardiovascular magnetic resonance examinations. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2022, 24, 29.	1.6	13

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127	MR Coronary Angiography Using 3D-SSFP With and Without Contrast Application. Journal of Cardiovascular Magnetic Resonance, 2005, 7, 809-814.	1.6	12
128	CV Imaging: What Was New in 2012?. JACC: Cardiovascular Imaging, 2013, 6, 714-734.	2.3	12
129	Myocardial oxygenation is maintained during hypoxia when combined with apnea - a cardiovascular MR study. Physiological Reports, 2013, 1, e00098.	0.7	12
130	Indications, safety and image quality of cardiovascular magnetic resonance: Experience in >5,000 North American patients. International Journal of Cardiology, 2013, 168, 3807-3811.	0.8	11
131	Hyperventilation-induced heart rate response as a potential marker for cardiovascular disease. Scientific Reports, 2019, 9, 17887.	1.6	11
132	Cardiovascular risk scoring and magnetic resonance imaging detected subclinical cerebrovascular disease. European Heart Journal Cardiovascular Imaging, 2020, 21, 692-700.	0.5	11
133	Diabetes, Brain Infarcts, Cognition, and Small Vessels in the Canadian Alliance for Healthy Hearts and Minds Study. Journal of Clinical Endocrinology and Metabolism, 2021, 106, e891-e898.	1.8	11
134	Evidence for non-ischemic scarring in patients with ventricular ectopy. International Journal of Cardiology, 2011, 147, 482-484.	0.8	10
135	Evaluation of left atrial contraction contribution to left ventricular filling using cardiovascular magnetic resonance. Journal of Magnetic Resonance Imaging, 2013, 37, 860-864.	1.9	10
136	Robust cardiac BOLD MRI using an fMRI-like approach with repeated stress paradigms. Magnetic Resonance in Medicine, 2015, 73, 577-585.	1.9	10
137	COVID-19, myocardial edema and dexamethasone. Medical Hypotheses, 2020, 145, 110307.	0.8	10
138	Simplifying cardiovascular magnetic resonance pulse sequence terminology. Journal of Cardiovascular Magnetic Resonance, 2014, 16, 3960.	1.6	9
139	Variability of cardiovascular magnetic resonance (CMR) T1 mapping parameters in healthy volunteers during long-term follow-up. Open Heart, 2018, 5, e000717.	0.9	9
140	Effects of age, gender, and risk factors for heart failure on native myocardial T ₁ and extracellular volume fraction using the SASHA sequence at 1.5T. Journal of Magnetic Resonance Imaging, 2018, 48, 1307-1317.	1.9	9
141	Reduced Cognitive Assessment Scores Among Individuals With Magnetic Resonance Imaging-Detected Vascular Brain Injury. Stroke, 2020, 51, 1158-1165.	1.0	9
142	Testing for Myocardial Ischemia. JACC: Cardiovascular Imaging, 2010, 3, 385-387.	2.3	7
143	The State of Cardiovascular Magnetic Resonance Imaging in Canada: Results from the CanSCMR Pan-Canadian Survey. Canadian Journal of Cardiology, 2018, 34, 333-336.	0.8	7
144	Regional Heterogeneity in the Coronary Vascular Response in Women With Chest Pain and Nonobstructive Coronary Artery Disease. Circulation, 2021, 143, 764-766.	1.6	7

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145	Feasibility of fast cardiovascular magnetic resonance strain imaging in patients presenting with acute chest pain. PLoS ONE, 2021, 16, e0251040.	1.1	7
146	The Potential of Oxygenation-Sensitive CMR in Heart Failure. Current Heart Failure Reports, 2021, 18, 304-314.	1.3	7
147	Sensitivity and specificity of chest imaging for sarcoidosis screening in patients with cardiac presentations. Sarcoidosis Vasculitis and Diffuse Lung Diseases, 2019, 36, 18-24.	0.2	7
148	Cardiac magnetic resonance imaging in Löffler's endocarditis. Canadian Journal of Cardiology, 2008, 24, e89-e90.	0.8	6
149	Breathing maneuvers as a coronary vasodilator for myocardial perfusion imaging. Journal of Magnetic Resonance Imaging, 2016, 44, 947-955.	1.9	6
150	Cardiovascular Magnetic Resonance for Myocardial Inflammation. Circulation: Cardiovascular Imaging, 2018, 11, e008010.	1.3	6
151	Cardiovascular risk is associated with a transmural gradient of myocardial oxygenation during adenosine infusion. European Heart Journal Cardiovascular Imaging, 2019, 20, 1287-1295.	0.5	6
152	Immune checkpoint inhibitor cardiotoxicity: what can we learn from real life data on CMR as a diagnostic tool?. European Heart Journal, 2020, 41, 1744-1746.	1.0	6
153	Cardiac magnetic resonance imaging: current status and future directions. Expert Review of Cardiovascular Therapy, 2010, 8, 1175-1189.	0.6	5
154	Stress-induced cardiomyopathy: a syndrome of the susceptible patient?. Expert Review of Cardiovascular Therapy, 2012, 10, 271-273.	0.6	5
155	Routine versus selective cardiac magnetic resonance in non-ischemic heart failure – OUTSMART-HF: study protocol for a randomized controlled trial (IMAGE-HF (heart failure) project 1-B). Trials, 2013, 14, 332.	0.7	5
156	Novel Approaches to Myocardial Perfusion: 3D First-Pass CMR Perfusion Imaging and Oxygenation-Sensitive CMR. Current Cardiovascular Imaging Reports, 2014, 7, 1.	0.4	5
157	Myocardial T1: The Rise of a Novel Biomarker Continues. JACC: Cardiovascular Imaging, 2015, 8, 47-49.	2.3	5
158	The role of MRI and CT for diagnosis and work-up in suspected ACS. Diagnosis, 2016, 3, 143-154.	1.2	5
159	Why Edema Is a Matter of the Heart. Circulation: Cardiovascular Imaging, 2017, 10, .	1.3	5
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