Heiko Mahrholdt

List of Publications by Citations

84 papers	14,169 citations	34 h-index	88 g-index
88 ext. papers	16,671 ext. citations	7.5 avg, IF	5.45 L-index

#	Paper	IF	Citations
84	2013 ESH/ESC guidelines for the management of arterial hypertension: the Task Force for the Management of Arterial Hypertension of the European Society of Hypertension (ESH) and of the European Society of Cardiology (ESC). *European Heart Journal*, **2013**, 34, 2159-219	9.5	3400
83	2014 ESC Guidelines on diagnosis and management of hypertrophic cardiomyopathy: the Task Force for the Diagnosis and Management of Hypertrophic Cardiomyopathy of the European Society of Cardiology (ESC). *European Heart Journal*, **2014**, 35, 2733-79	9.5	2361
82	Contrast-enhanced MRI and routine single photon emission computed tomography (SPECT) perfusion imaging for detection of subendocardial myocardial infarcts: an imaging study. *Lancet, The*, **2003**, 361, 374-9	40	1019
81	Cardiovascular magnetic resonance assessment of human myocarditis: a comparison to histology and molecular pathology. *Circulation*, **2004**, 109, 1250-8	16.7	789
80	Delayed enhancement cardiovascular magnetic resonance assessment of non-ischaemic cardiomyopathies. *European Heart Journal*, **2005**, 26, 1461-74	9.5	644
79	2014 ESC/EACTS Guidelines on myocardial revascularization: the Task Force on Myocardial Revascularization of the European Society of Cardiology (ESC) and the European Association for Cardio-Thoracic Surgery (EACTS). Developed with the special contribution of the European Association of Percutaneous Cardiovascular Interventions (EAPCI). *European Journal of*	3	588
78	Presentation, patterns of myocardial damage, and clinical course of viral myocarditis. *Circulation*, **2006**, 114, 1581-90	16.7	587
77	Myocardial scar visualized by cardiovascular magnetic resonance imaging predicts major adverse events in patients with hypertrophic cardiomyopathy. *Journal of the American College of Cardiology*, **2010**, 56, 875-87	15.1	419
76	Long-term follow-up of biopsy-proven viral myocarditis: predictors of mortality and incomplete recovery. *Journal of the American College of Cardiology*, **2012**, 59, 1604-15	15.1	328
75	Reproducibility of chronic infarct size measurement by contrast-enhanced magnetic resonance imaging. *Circulation*, **2002**, 106, 2322-7	16.7	323
74	Cardiovascular magnetic resonance in clinically suspected cardiac amyloidosis: noninvasive imaging compared to endomyocardial biopsy. *Journal of the American College of Cardiology*, **2008**, 51, 1022-30	15.1	321
73	CMR imaging predicts death and other adverse events in suspected cardiac sarcoidosis. *JACC: Cardiovascular Imaging*, **2013**, 6, 501-11	8.4	292
72	Comparative evaluation of left and right ventricular endomyocardial biopsy: differences in complication rate and diagnostic performance. *Circulation*, **2010**, 122, 900-9	16.7	271
71	High prevalence of a pathological response to acetylcholine testing in patients with stable angina pectoris and unobstructed coronary arteries. The ACOVA Study (Abnormal COronary VAsomotion in patients with stable angina and unobstructed coronary arteries). *Journal of the American College of Cardiology*, **2012**, 59, 655-62	15.1	254
70	The appropriate and justified use of medical radiation in cardiovascular imaging: a position document of the ESC Associations of Cardiovascular Imaging, Percutaneous Cardiovascular Interventions and Electrophysiology. *European Heart Journal*, **2014**, 35, 665-72	9.5	234
69	Diagnostic synergy of non-invasive cardiovascular magnetic resonance and invasive endomyocardial biopsy in troponin-positive patients without coronary artery disease. *European Heart Journal*, **2009**, 30, 2869-79	9.5	188
68	Clinical usefulness, angiographic characteristics, and safety evaluation of intracoronary acetylcholine provocation testing among 921 consecutive white patients with unobstructed coronary arteries. *Circulation*, **2014**, 129, 1723-30	16.7	185

67	European Cardiovascular Magnetic Resonance (EuroCMR) registry--multi national results from 57 centers in 15 countries. *Journal of Cardiovascular Magnetic Resonance*, **2013**, 15, 9	6.9	165
66	EuroCMR (European Cardiovascular Magnetic Resonance) registry: results of the German pilot phase. *Journal of the American College of Cardiology*, **2009**, 54, 1457-66	15.1	143
65	Effects of time, dose, and inversion time for acute myocardial infarct size measurements based on magnetic resonance imaging-delayed contrast enhancement. *Journal of the American College of Cardiology*, **2006**, 47, 2027-33	15.1	113
64	Cardiovascular magnetic resonance risk stratification in patients with clinically suspected myocarditis. *Journal of Cardiovascular Magnetic Resonance*, **2014**, 16, 14	6.9	102
63	Relationship of contractile function to transmural extent of infarction in patients with chronic coronary artery disease. *Journal of the American College of Cardiology*, **2003**, 42, 505-12	15.1	101
62	Improved efficacy of stem cell labeling for magnetic resonance imaging studies by the use of cationic liposomes. *Cell Transplantation*, **2003**, 12, 743-56	4	99
61	Predictors of outcome in patients with parvovirus B19 positive endomyocardial biopsy. *Journal of Cardiovascular Magnetic Resonance*, **2015**, 17,	6.9	78
60	LV rotational mechanics in patients with dilated cardiomyopathy compared to healthy individuals: Experience from the European CMR Registry. *Journal of Cardiovascular Magnetic Resonance*, **2015**, 17,	6.9	78
59	Cardiac involvement in patients with Becker muscular dystrophy: new diagnostic and pathophysiological insights by a CMR approach. *Journal of Cardiovascular Magnetic Resonance*, **2008** , 10, 50	6.9	78
58	Acute adverse reactions to gadolinium-based contrast agents in CMR: multicenter experience with 17,767 patients from the EuroCMR Registry. *JACC: Cardiovascular Imaging*, **2011**, 4, 1171-6	8.4	60
57	Significance of late gadolinium enhancement in cardiovascular magnetic resonance imaging (CMR). *Herz*, **2007**, 32, 129-37	2.6	60
56	Quality assessment of cardiovascular magnetic resonance in the setting of the European CMR registry: description and validation of standardized criteria. *Journal of Cardiovascular Magnetic Resonance*, **2013**, 15, 55	6.9	54
55	Coronary vasomotor abnormalities in patients with stable angina after successful stent implantation but without in-stent restenosis. *Clinical Research in Cardiology*, **2014**, 103, 11-9	6.1	48
54	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. *Journal of Cardiovascular Magnetic Resonance*, **2012**, 14, 35	6.9	45
53	Increased coronary vasoconstrictor response to acetylcholine in women with chest pain and normal coronary arteriograms (cardiac syndrome X). *Clinical Research in Cardiology*, **2012**, 101, 673-81	6.1	45
52	ECG findings in comparison to cardiovascular MR imaging in viral myocarditis. *International Journal of Cardiology*, **2013**, 165, 100-6	3.2	36
51	Myocardial Inflammation-Are We There Yet?. *Current Cardiovascular Imaging Reports*, **2015**, 8, 6	0.7	34
50	Comprehensive Cardiovascular Magnetic Resonance Assessment in Patients With Sarcoidosis and Preserved Left Ventricular Ejection Fraction. *Circulation: Cardiovascular Imaging*, **2016**, 9,	3.9	34

49	Cost-minimization analysis of three decision strategies for cardiac revascularization: results of the "suspected CAD" cohort of the european cardiovascular magnetic resonance registry. *Journal of Cardiovascular Magnetic Resonance*, **2016**, 18, 3	6.9	29
48	Images in cardiovascular medicine. Magnetic resonance assessment and therapy monitoring of cardiac involvement in Churg-Strauss syndrome. *Circulation*, **2008**, 117, 1745-9	16.7	29
47	T1 and T2 mapping for evaluation of myocardial involvement in patients with ANCA-associated vasculitides. *Journal of Cardiovascular Magnetic Resonance*, **2017**, 19, 6	6.9	28
46	MR imaging of myocardial perfusion and viability. *Magnetic Resonance Imaging Clinics of North America*, **2003**, 11, 49-66	1.6	28
45	Left ventricular wall motion abnormalities as well as reduced wall thickness can cause false positive results of routine SPECT perfusion imaging for detection of myocardial infarction. *European Heart Journal*, **2005**, 26, 2127-35	9.5	28
44	Functional assessment of myoblast transplantation for cardiac repair with magnetic resonance imaging. *European Journal of Heart Failure*, **2005**, 7, 435-43	12.3	27
43	Diagnostic value of perfusion cardiovascular magnetic resonance in patients with angina pectoris but normal coronary angiograms assessed by intracoronary acetylcholine testing. *Heart*, **2010**, 96, 372-9	5.1	25
42	Usefulness of pericardial effusion as new diagnostic criterion for noninvasive detection of myocarditis. *American Journal of Cardiology*, **2011**, 108, 445-52	3	24
41	Current variables, definitions and endpoints of the European cardiovascular magnetic resonance registry. *Journal of Cardiovascular Magnetic Resonance*, **2009**, 11, 43	6.9	20
40	Myocarditis in athletes: A clinical perspective. *European Journal of Preventive Cardiology*, **2020**, 2047487320909670	5.9	18
39	Cardiovascular magnetic resonance reveals similar damage to the heart of patients with Becker and limb-girdle muscular dystrophy but no cardiac symptoms. *Journal of Magnetic Resonance Imaging*, **2009**, 30, 876-7	5.6	18
38	Time-Dependent Myocardial Necrosis in Patients With ST-Segment-Elevation Myocardial Infarction Without Angiographic Collateral Flow Visualized by Cardiac Magnetic Resonance Imaging: Results From the Multicenter STEMI-SCAR Project. *Journal of the American Heart Association*, **2019**, 8, e012429	6	17
37	Evaluation of myocardial involvement in patients with connective tissue disorders: a multi-parametric cardiovascular magnetic resonance study. *Journal of Cardiovascular Magnetic Resonance*, **2016**, 18, 67	6.9	17
36	Incremental value of late gadolinium enhancement for management of patients with hypertrophic cardiomyopathy. *American Journal of Cardiology*, **2012**, 110, 1207-12	3	17
35	Predictors of outcome in patients with parvovirus B19 positive endomyocardial biopsy. *Clinical Research in Cardiology*, **2016**, 105, 37-52	6.1	16
34	Images in cardiovascular medicine. Giant right atrium in the setting of desmin-related restrictive cardiomyopathy. *Circulation*, **2006**, 113, e53-5	16.7	16
33	Long-Term Follow-Up in Patients With Stable Angina and Unobstructed Coronary Arteries Undergoing Intracoronary Acetylcholine Testing. *JACC: Cardiovascular Interventions*, **2020**, 13, 1865-1876	5	15
32	Impact of arrhythmia on diagnostic performance of adenosine stress CMR in patients with suspected or known coronary artery disease. *Journal of Cardiovascular Magnetic Resonance*, **2015**, 17, 94	6.9	13

31	CMR gives clue to "ragged red fibers" in the heart in a patient with mitochondrial myopathy. *International Journal of Cardiology*, **2011**, 149, e24-7	3.2	13
30	Spectrum of imaging findings in immunocompromised patients with HHV-6 infection. *American Journal of Roentgenology*, **2009**, 193, W373-80	5.4	13
29	Predictors of Mortality in Patients With Biopsy-Proven Viral Myocarditis: 10-Year Outcome Data. *Journal of the American Heart Association*, **2020**, 9, e015351	6	12
28	Cardiac involvement in patients with rheumatic disorders: Data of the RHEU-M(A)R study. *International Journal of Cardiology*, **2016**, 224, 37-49	3.2	11
27	Comparison of exercise electrocardiography and stress perfusion CMR for the detection of coronary artery disease in women. *Journal of Cardiovascular Magnetic Resonance*, **2012**, 14, 36	6.9	11
26	Favorable course of pericardial angiosarcoma under paclitaxel followed by pazopanib treatment documented by cardiovascular magnetic resonance imaging. *Circulation*, **2012**, 126, e279-81	16.7	11
25	Images in cardiovascular medicine. Noninvasive characterization of left atrial mass. *Circulation*, **2006**, 113, e19-20	16.7	11
24	Advanced myocardial tissue characterisation by a multi-component CMR protocol in patients with rheumatoid arthritis. *European Radiology*, **2017**, 27, 4639-4649	8	10
23	Effects of caffeine on the detection of ischemia in patients undergoing adenosine stress cardiovascular magnetic resonance imaging. *Journal of Cardiovascular Magnetic Resonance*, **2017**, 19, 103	6.9	10
22	Transient myocardial ischemia during acetylcholine-induced coronary microvascular dysfunction documented by myocardial contrast echocardiography. *Circulation: Cardiovascular Imaging*, **2013**, 6, 153-5	3.9	9
21	Noninvasive differentiation between active and healed myocarditis by cardiac magnetic resonance: are we there yet?. *JACC: Cardiovascular Imaging*, **2009**, 2, 139-42	8.4	8
20	Use of cardiac magnetic resonance to assess viability. *Current Cardiology Reports*, **2005**, 7, 59-64	4.2	8
19	T1 mapping as new diagnostic technique in a case of acute onset of biopsy-proven viral myocarditis. *Clinical Research in Cardiology*, **2014**, 103, 405-8	6.1	7
18	Impact of long-term steroid therapy on epicardial and pericardial fat deposition: a cardiac MRI study. *Cardiovascular Diabetology*, **2015**, 14, 130	8.7	6
17	Non-invasive evaluation of coronary vasospasm using a combined hyperventilation and cold-pressure-test perfusion CMR protocol. *Journal of Cardiovascular Magnetic Resonance*, **2007**, 9, 759-64	6.9	6
16	Recent advances in cardiac magnetic resonance. *F1000Research*, **2016**, 5,	3.6	6
15	Impact of caffeine on myocardial perfusion reserve assessed by semiquantitative adenosine stress perfusion cardiovascular magnetic resonance. *Journal of Cardiovascular Magnetic Resonance*, **2019**, 21, 33	6.9	5
14	Coronary artery spasm as a cause for myocardial infarction in patients with systemic inflammatory disease. *International Journal of Cardiology*, **2011**, 151, e32-4	3.2	5

13	Lessons Learned from the European Cardiovascular Magnetic Resonance (EuroCMR) Registry Pilot Phase. *Current Cardiovascular Imaging Reports*, **2010**, 3, 171-174	0.7	5
12	Images in cardiovascular medicine. Right ventricular false aneurysm after unrecognized myocardial infarction 28 years previously. *Circulation*, **2008**, 118, 2111-4	16.7	5
11	Testing in Patients With Stable Coronary Artery Disease - The Debate Continues. *Circulation Journal* , **2016**, 80, 802-10	2.9	4
10	Long-term impact of undetected Kawasaki syndrome on coronary morphology and physiology. *Circulation*, **2012**, 125, e640-4	16.7	3
9	Images in cardiovascular medicine. Magnetic resonance assessment of cardiac function, infarct scar distribution, and ventricular remodeling in the setting of ischemic cardiomyopathy. *Circulation*, **2003**, 107, e103-4	16.7	3
8	Myocarditis: Update and Critical Assessment. *Current Cardiovascular Imaging Reports*, **2010**, 3, 57-64	0.7	2
7	Can delayed enhancement and T2-weighted imaging distinguish acute from chronic myocardial infarction?. *Nature Clinical Practice Cardiovascular Medicine*, **2004**, 1, 22-3		2
6	Response to letters regarding article, "Clinical usefulness, angiographic characteristics, and safety evaluation of intracoronary acetylcholine provocation testing among 921 consecutive white patients with unobstructed coronary arteries". *Circulation*, **2015**, 131, e325	16.7	1
5	Unusual cause for recurrent syncope in a patient late after radiation therapy. *Circulation*, **2014**, 129, 1988-91	16.7	1
4	Impact of baseline calibration on semiquantitative assessment of myocardial perfusion reserve by adenosine stress MRI. *International Journal of Cardiovascular Imaging*, **2020**, 36, 521-532	2.5	1
3	Adenosine stress perfusion cardiac magnetic resonance imaging in patients undergoing intracoronary bone marrow cell transfer after ST-elevation myocardial infarction: the BOOST-2 perfusion substudy. *Clinical Research in Cardiology*, **2020**, 109, 539-548	6.1	1
2	Varicose cardiac veins in a case of persistent left superior vena cava and stenosis of the coronary sinus ostium. *European Heart Journal Cardiovascular Imaging*, **2020**, 21, 786	4.1	
1	Value of adenosine stress cardiovascular magnetic resonance in the evaluation of vessels supplying previously infarcted territories. *Coronary Artery Disease*, **2019**, 30, 222-231	1.4	