

Eike Nagel

List of Publications by Year in Descending Order

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

357
papers

20,568
citations

72
h-index

135
g-index

435
ext. papers

24,414
ext. citations

6.6
avg. IF

6.65
L-index

#	Paper	IF	Citations
357	Evidence-based cardiovascular magnetic resonance cost-effectiveness calculator for the detection of significant coronary artery disease.. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2022 , 24, 1	6.9	0
356	Determination of scar area using native and post-contrast T1 mapping: Agreement with late gadolinium enhancement.. <i>European Journal of Radiology</i> , 2022 , 150, 110242	4.7	0
355	Society for Cardiovascular Magnetic Resonance (SCMR) guidelines for reporting cardiovascular magnetic resonance examinations.. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2022 , 24, 29	6.9	0
354	Myocardial T1-mapping and extracellular volume in pulmonary arterial hypertension: A systematic review and meta-analysis. <i>Magnetic Resonance Imaging</i> , 2021 , 79, 66-75	3.3	5
353	Cardiac biomarkers in chronic kidney disease are independently associated with myocardial edema and diffuse fibrosis by cardiovascular magnetic resonance. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2021 , 23, 71	6.9	5
352	COVID-19 myocarditis and prospective heart failure burden. <i>Expert Review of Cardiovascular Therapy</i> , 2021 , 19, 5-14	2.5	27
351	Quantitative perfusion-CMR is significantly influenced by the placement of the arterial input function. <i>International Journal of Cardiovascular Imaging</i> , 2021 , 37, 1023-1031	2.5	2
350	Development, validation, and implementation of biomarker testing in cardiovascular medicine state-of-the-art: proceedings of the European Society of Cardiology-Cardiovascular Round Table. <i>Cardiovascular Research</i> , 2021 , 117, 1248-1256	9.9	1
349	Left atrial strain: a multi-modality, multi-vendor comparison study. <i>European Heart Journal Cardiovascular Imaging</i> , 2021 , 22, 102-110	4.1	22
348	Myocardial viability testing: all STIChed up, or about to be REVIVED?. <i>European Heart Journal</i> , 2021 ,	9.5	4
347	Myocardial Fibrosis and Inflammation by CMR Predict Cardiovascular Outcome in People Living With HIV. <i>JACC: Cardiovascular Imaging</i> , 2021 , 14, 1548-1557	8.4	7
346	Multimodality Cardiovascular Imaging in the Midst of the COVID-19 Pandemic: Ramping Up Safely to a New Normal. <i>JACC: Cardiovascular Imaging</i> , 2020 , 13, 1615-1626	8.4	35
345	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
344	How to diagnose heart failure with preserved ejection fraction: the HFA-PEFF diagnostic algorithm: a consensus recommendation from the Heart Failure Association (HFA) of the European Society of Cardiology (ESC). <i>European Journal of Heart Failure</i> , 2020 , 22, 391-412	12.3	84
343	Native T1 and T2 provide distinctive signatures in hypertrophic cardiac conditions - Comparison of uremic, hypertensive and hypertrophic cardiomyopathy. <i>International Journal of Cardiology</i> , 2020 , 306, 102-108	3.2	16
342	Circulating Th17 and Th22 Cells Are Associated With CMR Imaging Biosignatures of Diffuse Myocardial Interstitial Remodeling in Chronic Coronary Artery Disease. <i>Circulation Research</i> , 2020 , 127, 699-701	15.7	2
341	Sub-segmental quantification of single (stress)-pass perfusion CMR improves the diagnostic accuracy for detection of obstructive coronary artery disease. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2020 , 22, 14	6.9	6

340	Standardized cardiovascular magnetic resonance imaging (CMR) protocols: 2020 update. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2020 , 22, 17	6.9	213
339	CMR in Pericardial Diseases - an Update. <i>Current Cardiovascular Imaging Reports</i> , 2020 , 13, 1	0.7	6
338	Contemporary Cardiac MRI in Chronic Coronary Artery Disease. <i>European Cardiology Review</i> , 2020 , 15, e50	3.9	5
337	Prevalence and prognostic impact of nonischemic late gadolinium enhancement in stress cardiac magnetic resonance. <i>Journal of Cardiovascular Medicine</i> , 2020 , 21, 980-985	1.9	1
336	Cardiac Imaging in the Post-ISCHEMIA Trial Era: A Multisociety Viewpoint. <i>JACC: Cardiovascular Imaging</i> , 2020 , 13, 1815-1833	8.4	10
335	Outcomes of Cardiovascular Magnetic Resonance Imaging in Patients Recently Recovered From Coronavirus Disease 2019 (COVID-19). <i>JAMA Cardiology</i> , 2020 , 5, 1265-1273	16.2	929
334	Left Ventricular Hypertrabeculation Is Not Associated With Cardiovascular Morbidity or Mortality: Insights From the Eurocmr Registry. <i>Frontiers in Cardiovascular Medicine</i> , 2020 , 7, 158	5.4	6
333	How to diagnose heart failure with preserved ejection fraction: the HFA-PEFF diagnostic algorithm: a consensus recommendation from the Heart Failure Association (HFA) of the European Society of Cardiology (ESC). <i>European Heart Journal</i> , 2019 , 40, 3297-3317	9.5	379
332	Magnetic Resonance Perfusion or Fractional Flow Reserve in Coronary Disease. <i>New England Journal of Medicine</i> , 2019 , 380, 2418-2428	59.2	184
331	Cardiac MRI: a Promising Diagnostic Tool to Detect Cancer Therapeutics-Related Cardiac Dysfunction. <i>Current Cardiovascular Imaging Reports</i> , 2019 , 12, 1	0.7	
330	Aortic stiffness is independently associated with interstitial myocardial fibrosis by native T1 and accelerated in the presence of chronic kidney disease. <i>IJC Heart and Vasculature</i> , 2019 , 24, 100389	2.4	10
329	Controversies in Diagnostic Imaging of Patients With Suspected Stable and Acute Chest Pain Syndromes. <i>JACC: Cardiovascular Imaging</i> , 2019 , 12, 1254-1278	8.4	3
328	Range Variability in CMR Feature Tracking Multilayer Strain across Different Stages of Heart Failure. <i>Scientific Reports</i> , 2019 , 9, 16478	4.9	11
327	Clinical indications for cardiovascular magnetic resonance. <i>Heart</i> , 2019 , 105, 1755-1762	5.1	6
326	Towards standardized postprocessing of global longitudinal strain by feature tracking - OptiStrain CMR-FT study. <i>BMC Cardiovascular Disorders</i> , 2019 , 19, 267	2.3	4
325	Improved long-term durability of allogeneic heart valves in the orthotopic sheep model. <i>European Journal of Cardio-thoracic Surgery</i> , 2019 , 55, 484-493	3	13
324	CMR imaging biosignature of cardiac involvement due to cancer-related treatment by T1 and T2 mapping. <i>International Journal of Cardiology</i> , 2019 , 275, 179-186	3.2	31
323	Towards the Clinical Management of Cardiac Involvement in Systemic Inflammatory Conditions: Central Role for CMR. <i>Current Cardiovascular Imaging Reports</i> , 2018 , 11, 1	0.7	6

322	Native T1 and ECV of Noninfarcted Myocardium and Outcome in Patients With Coronary Artery Disease. <i>Journal of the American College of Cardiology</i> , 2018 , 71, 766-778	15.1	62
321	Comparison of MOLLI, shMOLLI, and SASHA in discrimination between health and disease and relationship with histologically derived collagen volume fraction. <i>European Heart Journal Cardiovascular Imaging</i> , 2018 , 19, 768-776	4.1	40
320	Imaging the myocardial ischemic cascade. <i>International Journal of Cardiovascular Imaging</i> , 2018 , 34, 1249-1263	2.63	24
319	T1 and T2 mapping in myocarditis: seeing beyond the horizon of Lake Louise criteria and histopathology. <i>Expert Review of Cardiovascular Therapy</i> , 2018 , 16, 319-330	2.5	11
318	Role of Cardiac Magnetic Resonance in Heart Failure with Preserved Ejection Fraction. <i>Current Cardiovascular Imaging Reports</i> , 2018 , 11, 1	0.7	3
317	Impact of T-cell-mediated immune response on xenogeneic heart valve transplantation: short-term success and mid-term failure. <i>European Journal of Cardio-thoracic Surgery</i> , 2018 , 53, 784-792	3	5
316	High-sensitive troponin is associated with subclinical imaging biosignature of inflammatory cardiovascular involvement in systemic lupus erythematosus. <i>Annals of the Rheumatic Diseases</i> , 2018 , 77, 1590-1598	2.4	28
315	Dual-energy CT of the heart current and future status. <i>European Journal of Radiology</i> , 2018 , 105, 110-118	4.7	18
314	Definition of Left Ventricular Segments for Cardiac Magnetic Resonance Imaging. <i>JACC: Cardiovascular Imaging</i> , 2018 , 11, 926-928	8.4	12
313	Society for Cardiovascular Magnetic Resonance (SCMR) expert consensus for CMR imaging endpoints in clinical research: part I - analytical validation and clinical qualification. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2018 , 20, 67	6.9	61
312	Cardiac Troponin T Concentrations, Reversible Myocardial Ischemia, and Indices of Left Ventricular Remodeling in Patients with Suspected Stable Angina Pectoris: a DOPPLER-CIP Substudy. <i>Clinical Chemistry</i> , 2018 , 64, 1370-1379	5.5	10
311	Automatic T2* determination for quantification of iron load in heart and liver: a comparison between automatic inline Maximum Likelihood Estimate and the truncation and offset methods. <i>Clinical Physiology and Functional Imaging</i> , 2017 , 37, 299-304	2.4	4
310	Comparative Effectiveness Trials of Imaging-Guided Strategies in Stable Ischemic Heart Disease. <i>JACC: Cardiovascular Imaging</i> , 2017 , 10, 321-334	8.4	12
309	T1 and T2 Mapping in Recognition of Early Cardiac Involvement in Systemic Sarcoidosis. <i>Radiology</i> , 2017 , 285, 63-72	20.5	83
308	Quantitative assessment of left ventricular mechanical dyssynchrony using cine cardiovascular magnetic resonance imaging: Inter-study reproducibility. <i>JRSM Cardiovascular Disease</i> , 2017 , 6, 2048004017710142	11.7	16
307	The assessment of ischaemic burden: validation of a functional jeopardy score against cardiovascular magnetic resonance perfusion imaging. <i>Clinical Research in Cardiology</i> , 2017 , 106, 259-270	6.1	4
306	Contrast-enhanced magnetic resonance imaging for the detection of ruptured coronary plaques in patients with acute myocardial infarction. <i>PLoS ONE</i> , 2017 , 12, e0188292	3.7	9
305	High-throughput gadobutrol-enhanced CMR: a time and dose optimization study. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2017 , 19, 83	6.9	28

304	'Image-navigated 3-dimensional late gadolinium enhancement cardiovascular magnetic resonance imaging: feasibility and initial clinical results'. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2017 , 19, 97	6.9	19
303	Correlation of Fractional Flow Reserve With Ischemic Burden Measured by Cardiovascular Magnetic Resonance Perfusion Imaging. <i>American Journal of Cardiology</i> , 2017 , 120, 1913-1919	3	5
302	Fast and Fully Automatic Left Ventricular Segmentation and Tracking in Echocardiography Using Shape-Based B-Spline Explicit Active Surfaces. <i>IEEE Transactions on Medical Imaging</i> , 2017 , 36, 2287-2296	11.7	38
301	The effect of initial teaching on evaluation of left ventricular volumes by cardiovascular magnetic resonance imaging: comparison between complete and intermediate beginners and experienced observers. <i>BMC Medical Imaging</i> , 2017 , 17, 33	2.9	2
300	Clinical evaluation of three-dimensional late enhancement MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2017 , 45, 1675-1683	5.6	8
299	Diagnostic performance of image navigated coronary CMR angiography in patients with coronary artery disease. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2017 , 19, 68	6.9	14
298	Native T1 and T2 mapping by CMR in lupus myocarditis: Disease recognition and response to treatment. <i>International Journal of Cardiology</i> , 2016 , 222, 717-726	3.2	59
297	Deciphering cardiac involvement in systemic inflammatory diseases: noninvasive tissue characterisation using cardiac magnetic resonance is key to improved patients' care. <i>Expert Review of Cardiovascular Therapy</i> , 2016 , 14, 1283-1295	2.5	12
296	CMR First-Pass Perfusion for Suspected Inducible Myocardial Ischemia. <i>JACC: Cardiovascular Imaging</i> , 2016 , 9, 1338-1348	8.4	44
295	T1 and T2 Mapping in Nonischemic Cardiomyopathies and Agreement With Endomyocardial Biopsy. <i>Journal of the American College of Cardiology</i> , 2016 , 68, 1923-1924	15.1	7
294	Standardised postprocessing of native T2 in detection and discrimination of myocarditis - comparison with native T1 mapping. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2016 , 18, 014	6.9	5
293	Blood Oxygenation Level-Dependent CMR-Derived Measures in Critical Limb Ischemia and Changes With Revascularization. <i>Journal of the American College of Cardiology</i> , 2016 , 67, 420-431	15.1	23
292	Native T1 in deciphering the reversible myocardial inflammation in cardiac sarcoidosis with anti-inflammatory treatment. <i>International Journal of Cardiology</i> , 2016 , 203, 459-62	3.2	12
291	Refractory ischaemic chest pain caused by microvascular coronary dysfunction in a large vessel vasculitis. <i>European Heart Journal Cardiovascular Imaging</i> , 2016 , 17, 702	4.1	3
290	MR Imaging of Coronary Arteries and Plaques. <i>JACC: Cardiovascular Imaging</i> , 2016 , 9, 306-16	8.4	49
289	T1-Mapping and Outcome in Nonischemic Cardiomyopathy: All-Cause Mortality and Heart Failure. <i>JACC: Cardiovascular Imaging</i> , 2016 , 9, 40-50	8.4	263
288	Perfusion dyssynchrony analysis. <i>European Heart Journal Cardiovascular Imaging</i> , 2016 , 17, 1414-1423	4.1	6
287	Multi-centre validation of an automatic algorithm for fast 4D myocardial segmentation in cine CMR datasets. <i>European Heart Journal Cardiovascular Imaging</i> , 2016 , 17, 1118-27	4.1	14

286	Microvascular ischemia in hypertrophic cardiomyopathy: new insights from high-resolution combined quantification of perfusion and late gadolinium enhancement. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2016 , 18, 4	6.9	34
285	Advances in Cardiovascular MRI using Quantitative Tissue Characterisation Techniques: Focus on Myocarditis. <i>European Cardiology Review</i> , 2016 , 11, 20-24	3.9	1
284	T1 Mapping in Characterizing Myocardial Disease: A Comprehensive Review. <i>Circulation Research</i> , 2016 , 119, 277-99	15.7	168
283	Perfusion cardiovascular magnetic resonance and fractional flow reserve in patients with angiographic multi-vessel coronary artery disease. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2016 , 18, 44	6.9	14
282	Cardiovascular magnetic resonance in rheumatology: Current status and recommendations for use. <i>International Journal of Cardiology</i> , 2016 , 217, 135-48	3.2	76
281	Cardiac Positron Emission Tomography: a Clinical Perspective. <i>Current Cardiovascular Imaging Reports</i> , 2016 , 9, 1	0.7	1
280	Inter-study reproducibility of left ventricular torsion and torsion rate quantification using MR myocardial feature tracking. <i>Journal of Magnetic Resonance Imaging</i> , 2016 , 43, 128-37	5.6	38
279	Principles of cardiovascular magnetic resonance feature tracking and echocardiographic speckle tracking for informed clinical use. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2016 , 18, 51	6.9	189
278	Validation of a new T2* algorithm and its uncertainty value for cardiac and liver iron load determination from MRI magnitude images. <i>Magnetic Resonance in Medicine</i> , 2016 , 75, 1717-29	4.4	7
277	Diagnostic accuracy of stress myocardial perfusion imaging compared to invasive coronary angiography with fractional flow reserve meta-analysis. <i>Circulation: Cardiovascular Imaging</i> , 2015 , 8,	3.9	211
276	Noninvasive anatomical and functional assessment of coronary artery disease. <i>Revista Portuguesa De Cardiologia</i> , 2015 , 34, 223-32	1	3
275	T1 values by conservative septal postprocessing approach are superior in relating to the interstitial myocardial fibrosis: findings from patients with severe aortic stenosis. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2015 , 17,	6.9	8
274	Quantification of atrial dynamics using cardiovascular magnetic resonance: inter-study reproducibility. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2015 , 17, 36	6.9	38
273	Multicenter evaluation of dynamic three-dimensional magnetic resonance myocardial perfusion imaging for the detection of coronary artery disease defined by fractional flow reserve. <i>Circulation: Cardiovascular Imaging</i> , 2015 , 8,	3.9	43
272	A quantitative high resolution voxel-wise assessment of myocardial blood flow from contrast-enhanced first-pass magnetic resonance perfusion imaging: microsphere validation in a magnetic resonance compatible free beating explanted pig heart model. <i>European Heart Journal Cardiovascular Imaging</i> , 2015 , 16, 1082-92	4.1	22
271	Native T1 in discrimination of acute and convalescent stages in patients with clinical diagnosis of myocarditis: a proposed diagnostic algorithm using CMR. <i>JACC: Cardiovascular Imaging</i> , 2015 , 8, 37-46	8.4	141
270	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
269	Myocardial feature tracking reduces observer-dependence in low-dose dobutamine stress cardiovascular magnetic resonance. <i>PLoS ONE</i> , 2015 , 10, e0122858	3.7	23

268	Noninvasive anatomical and functional assessment of coronary artery disease. <i>Revista Portuguesa De Cardiologia (English Edition)</i> , 2015 , 34, 223-232	0	2
267	Microsphere skimming in the porcine coronary arteries: Implications for flow quantification. <i>Microvascular Research</i> , 2015 , 100, 59-70	3.7	8
266	Influence of spatial resolution on the accuracy of quantitative myocardial perfusion in first pass stress perfusion CMR. <i>Magnetic Resonance in Medicine</i> , 2015 , 73, 1623-31	4.4	7
265	Tissue Tracking Technology for Assessing Cardiac Mechanics: Principles, Normal Values, and Clinical Applications. <i>JACC: Cardiovascular Imaging</i> , 2015 , 8, 1444-1460	8.4	236
264	T1 Mapping in Discrimination of Hypertrophic Phenotypes: Hypertensive Heart Disease and Hypertrophic Cardiomyopathy: Findings From the International T1 Multicenter Cardiovascular Magnetic Resonance Study. <i>Circulation: Cardiovascular Imaging</i> , 2015 , 8,	3.9	147
263	Abnormal myocardial perfusion in Kawasaki disease convalescence. <i>JACC: Cardiovascular Imaging</i> , 2015 , 8, 106-108	8.4	13
262	Aortic stiffness in the presence of self-limiting and sustained systemic inflammation: comparison of acute myocarditis and chronic inflammatory diseases. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2014 , 16,	6.9	78
261	Age-gender normal values of native and post-contrast myocardial T1 relaxation times (lambda) on 1.5T and 3T using MOLLI: a multicenter, single vendor cardiovascular magnetic resonance study. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2014 , 16, P23	6.9	4
260	Myocardial T2 mapping for improved detection of inflammatory myocardial involvement in acute and chronic myocarditis. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2014 , 16,	6.9	2
259	Cardiac magnetic resonance imaging findings and the risk of cardiovascular events in patients with recent myocardial infarction or suspected or known coronary artery disease: a systematic review of prognostic studies. <i>Journal of the American College of Cardiology</i> , 2014 , 63, 1031-45	15.1	98
258	Reply: prognostic role of CMR imaging after myocardial infarction. <i>Journal of the American College of Cardiology</i> , 2014 , 64, 2070	15.1	
257	Effects of tracer arrival time on the accuracy of high-resolution (voxel-wise) myocardial perfusion maps from contrast-enhanced first-pass perfusion magnetic resonance. <i>IEEE Transactions on Biomedical Engineering</i> , 2014 , 61, 2499-2506	5	15
256	Assessment of tissue perfusion in the lower limb: current methods and techniques under development. <i>Circulation: Cardiovascular Imaging</i> , 2014 , 7, 836-43	3.9	28
255	130 Reproducibility of T1 and T2 Mapping in Health and Disease, and Assessment of T2 Variability Across the Normal Myocardium. <i>Heart</i> , 2014 , 100, A76.1-A76	5.1	4
254	Coronary vessel wall contrast enhancement imaging as a potential direct marker of coronary involvement: integration of findings from CAD and SLE patients. <i>JACC: Cardiovascular Imaging</i> , 2014 , 7, 762-70	8.4	40
253	PET/CT and MR imaging biomarker of lipid-rich plaques using [64Cu]-labeled scavenger receptor (CD68-Fc). <i>International Journal of Cardiology</i> , 2014 , 177, 287-91	3.2	17
252	Ischemic burden by 3-dimensional myocardial perfusion cardiovascular magnetic resonance: comparison with myocardial perfusion scintigraphy. <i>Circulation: Cardiovascular Imaging</i> , 2014 , 7, 647-54	3.9	31
251	Enhancing coronary Wave Intensity Analysis robustness by high order central finite differences. <i>Artery Research</i> , 2014 , 8, 98-109	2.2	8

250	Comparative definitions for moderate-severe ischemia in stress nuclear, echocardiography, and magnetic resonance imaging. <i>JACC: Cardiovascular Imaging</i> , 2014 , 7, 593-604	8.4	127
249	Ischemic burden and clinical outcome: is one 'culprit' ischemic segment by dobutamine stress magnetic resonance predictive?. <i>PLoS ONE</i> , 2014 , 9, e115182	3.7	3
248	Reference values for healthy human myocardium using a T1 mapping methodology: results from the International T1 Multicenter cardiovascular magnetic resonance study. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2014 , 16, 69	6.9	217
247	Quantitative assessment of magnetic resonance derived myocardial perfusion measurements using advanced techniques: microsphere validation in an explanted pig heart system. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2014 , 16, 82	6.9	21
246	Three-dimensional balanced steady state free precession myocardial perfusion cardiovascular magnetic resonance at 3T using dual-source parallel RF transmission: initial experience. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2014 , 16, 90	6.9	13
245	Anatomical versus functional assessment of coronary artery disease: direct comparison of computed tomography coronary angiography and magnetic resonance myocardial perfusion imaging in patients with intermediate pre-test probability. <i>International Journal of Cardiovascular Imaging</i> , 2014 , 33, 1500-07	2.5	9
244	Prevalence of myocardial crypts in a large retrospective cohort study by cardiovascular magnetic resonance. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2014 , 16, 66	6.9	28
243	Chemotherapy-related cardiomyopathy in acute myeloid leukaemia assessed by cardiovascular magnetic resonance imaging. <i>European Heart Journal Cardiovascular Imaging</i> , 2014 , 15, 1410	4.1	2
242	Contrast-enhanced cardiovascular magnetic resonance imaging of coronary vessel wall: state of art. <i>Expert Review of Cardiovascular Therapy</i> , 2014 , 12, 255-63	2.5	4
241	Individualized cardiovascular risk assessment by cardiovascular magnetic resonance. <i>Future Cardiology</i> , 2014 , 10, 273-89	1.3	19
240	Automatic selection of optimal Savitzky-Golay filter parameters for Coronary Wave Intensity Analysis. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2014 , 2014, 5056-9	0.9	9
239	Aortic stiffness and interstitial myocardial fibrosis by native T1 are independently associated with left ventricular remodeling in patients with dilated cardiomyopathy. <i>Hypertension</i> , 2014 , 64, 762-8	8.5	46
238	Perfusion phantom: An efficient and reproducible method to simulate myocardial first-pass perfusion measurements with cardiovascular magnetic resonance. <i>Magnetic Resonance in Medicine</i> , 2013 , 69, 698-707	4.4	37
237	Native T1 mapping in differentiation of normal myocardium from diffuse disease in hypertrophic and dilated cardiomyopathy. <i>JACC: Cardiovascular Imaging</i> , 2013 , 6, 475-84	8.4	309
236	Comparison of MR and CT for the Assessment of the Significance of Coronary Artery Disease: a Review. <i>Current Cardiovascular Imaging Reports</i> , 2013 , 6, 102-116	0.7	2
235	A Critical Review of Different Imaging Methods for the Assessment of Myocardial Ischemia. <i>Current Cardiovascular Imaging Reports</i> , 2013 , 6, 117-127	0.7	3
234	Magnetic resonance coronary angiography: where are we today?. <i>Current Cardiology Reports</i> , 2013 , 15, 328	4.2	17
233	Quantitative myocardial perfusion imaging by cardiovascular magnetic resonance and positron emission tomography. <i>Journal of Nuclear Cardiology</i> , 2013 , 20, 860-70; quiz 857-9, 871-3	2.1	16

232	Myocardial perfusion distribution and coronary arterial pressure and flow signals: clinical relevance in relation to multiscale modeling, a review. <i>Medical and Biological Engineering and Computing</i> , 2013 , 51, 1271-86	3.1	8
231	Imaging in population science: cardiovascular magnetic resonance in 100,000 participants of UK Biobank - rationale, challenges and approaches. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2013 , 15, 46	6.9	138
230	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
229	European Cardiovascular Magnetic Resonance (EuroCMR) registry--multi national results from 57 centers in 15 countries. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2013 , 15, 9	6.9	165
228	Assessment of coronary artery stenosis severity and location: quantitative analysis of transmural perfusion gradients by high-resolution MRI versus FFR. <i>JACC: Cardiovascular Imaging</i> , 2013 , 6, 600-9	8.4	59
227	Direct comparison of cardiac magnetic resonance and multidetector computed tomography stress-rest perfusion imaging for detection of coronary artery disease. <i>Journal of the American College of Cardiology</i> , 2013 , 61, 1099-107	15.1	128
226	Standardized cardiovascular magnetic resonance (CMR) protocols 2013 update. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2013 , 15, 91	6.9	494
225	Hyperemic stress myocardial perfusion cardiovascular magnetic resonance in mice at 3 Tesla: initial experience and validation against microspheres. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2013 , 15, 62	6.9	13
224	Standardization of T1 measurements with MOLLI in differentiation between health and disease--the ConSept study. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2013 , 15, 78	6.9	104
223	CV imaging: what was new in 2012?. <i>JACC: Cardiovascular Imaging</i> , 2013 , 6, 714-34	8.4	11
222	Cardiovascular magnetic resonance myocardial feature tracking for quantitative viability assessment in ischemic cardiomyopathy. <i>International Journal of Cardiology</i> , 2013 , 166, 413-20	3.2	83
221	Reply: To PMID 23375929. <i>Journal of the American College of Cardiology</i> , 2013 , 62, 353	15.1	
220	Incremental value of adenosine stress cardiac magnetic resonance in coronary artery disease detection. <i>International Journal of Cardiology</i> , 2013 , 168, 4160-7	3.2	12
219	CAD detection in patients with intermediate-high pre-test probability: low-dose CT delayed enhancement detects ischemic myocardial scar with moderate accuracy but does not improve performance of a stress-rest CT perfusion protocol. <i>JACC: Cardiovascular Imaging</i> , 2013 , 6, 1062-1071	8.4	43
218	Erratum to [The intra-observer reproducibility of cardiovascular magnetic resonance myocardial feature tracking strain assessment is independent of field strength [Eur. J. Radiol. 82 (2013) 296-301]. <i>European Journal of Radiology</i> , 2013 , 82, 1036-1038	4.7	3
217	Four-dimensional image processing of myocardial CT perfusion for improved image quality and noise reduction. <i>Journal of Cardiovascular Computed Tomography</i> , 2013 , 7, 110-6	2.8	4
216	Platelet expression of stromal-cell-derived factor-1 (SDF-1): an indicator for ACS?. <i>International Journal of Cardiology</i> , 2013 , 164, 111-5	3.2	23
215	A bi-center cardiovascular magnetic resonance prognosis study focusing on dobutamine wall motion and late gadolinium enhancement in 3,138 consecutive patients. <i>Journal of the American College of Cardiology</i> , 2013 , 61, 2310-2	15.1	29

214	Reply: To PMID 23375929. <i>Journal of the American College of Cardiology</i> , 2013 , 62, 354	15.1	
213	Cardiac magnetic resonance myocardial perfusion imaging for detection of functionally significant obstructive coronary artery disease: a prospective study. <i>International Journal of Cardiology</i> , 2013 , 168, 765-73	3.2	30
212	Validation of the BCIS-1 myocardial jeopardy score using cardiac magnetic resonance perfusion imaging. <i>Clinical Physiology and Functional Imaging</i> , 2013 , 33, 101-8	2.4	6
211	A direct comparison of the sensitivity of CT and MR cardiac perfusion using a myocardial perfusion phantom. <i>Journal of Cardiovascular Computed Tomography</i> , 2013 , 7, 117-24	2.8	13
210	The intra-observer reproducibility of cardiovascular magnetic resonance myocardial feature tracking strain assessment is independent of field strength. <i>European Journal of Radiology</i> , 2013 , 82, 296-301	4.7	98
209	Determining optimal noninvasive parameters for the prediction of left ventricular remodeling in chronic ischemic patients. <i>Scandinavian Cardiovascular Journal</i> , 2013 , 47, 329-34	2	16
208	Left ventricular chamber dimensions and wall thickness by cardiovascular magnetic resonance: comparison with transthoracic echocardiography. <i>European Heart Journal Cardiovascular Imaging</i> , 2013 , 14, 240-6	4.1	45
207	Positron emission tomography/computed tomographic and magnetic resonance imaging in a murine model of progressive atherosclerosis using (64)Cu-labeled glycoprotein VI-Fc. <i>Circulation: Cardiovascular Imaging</i> , 2013 , 6, 957-64	3.9	15
206	Coronary wave energy: a novel predictor of functional recovery after myocardial infarction. <i>Circulation: Cardiovascular Interventions</i> , 2013 , 6, 166-75	6	24
205	Native myocardial T1 mapping by cardiovascular magnetic resonance imaging in subclinical cardiomyopathy in patients with systemic lupus erythematosus. <i>Circulation: Cardiovascular Imaging</i> , 2013 , 6, 295-301	3.9	142
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