Niek Hj Prakken

List of Publications by Year
in descending order

48 papers	1,751 citations	279798 23 h-index	276875 41 g-index
48 all docs	48 docs citations	48 times ranked	2413 citing authors

#	Article	IF	Citations
1	Diagnostic value of imaging in infective endocarditis: a systematic review. Lancet Infectious Diseases, The, 2017, 17, e1-e14.	9.1	205
2	Relationship Between Lifelong Exercise Volume and Coronary Atherosclerosis in Athletes. Circulation, 2017, 136, 138-148.	1.6	195
3	Echocardiographic tissue deformation imaging of right ventricular systolic function in endurance athletes. European Heart Journal, 2008, 30, 969-977.	2.2	129
4	Echocardiographic Assessment of Regional Right Ventricular Function: A Head-to-head Comparison Between 2-Dimensional and Tissue Dopplerâ€“derived Strain Analysis. Journal of the American Society of Echocardiography, 2008, 21, 275-283.	2.8	122
5	Cardiac MRI reference values for athletes and nonathletes corrected for body surface area, training hours/week and sex. European Journal of Cardiovascular Prevention and Rehabilitation, 2010, 17, 198-203.	2.8	93
6	Exercise and Coronary Atherosclerosis. Circulation, 2020, 141, 1338-1350.	1.6	87
7	Hybrid cardiac imaging using PET/MRI: a joint position statement by the European Society of Cardiovascular Radiology (ESCR) and the European Association of Nuclear Medicine (EANM). European Radiology, 2018, 28, 4086-4101.	4.5	80
8	Anabolic androgenic steroid use is associated with ventricular dysfunction on cardiac MRI in strength trained athletes. International Journal of Cardiology, 2013, 167, 664-668.	1.7	59
9	Sport category is an important determinant of cardiac adaptation: an MRI study. British Journal of Sports Medicine, 2012, 46, 1119-1124.	6.7	56
10	Screening for proximal coronary artery anomalies with 3-dimensional MR coronary angiography. International Journal of Cardiovascular Imaging, 2010, 26, 701-710.	1.5	48
11	Occult coronary artery disease in middle-aged sportsmen with a low cardiovascular risk score: The Measuring Athleteâ€™s Risk of Cardiovascular Events (MARC) study. European Journal of Preventive Cardiology, 2016, 23, 1677-1684.	1.8	47
12	Impact of revised Task Force Criteria: distinguishing the athleteâ€™s heart from ARVC/D using cardiac magnetic resonance imaging. European Journal of Preventive Cardiology, 2012, 19, 885-891.	1.8	44
13	Effect of Long Term and Intensive Endurance Training in Athletes on the Age Related Decline in Left and Right Ventricular Diastolic Function as Assessed by Doppler Echocardiography. American Journal of Cardiology, 2009, 104, 1145-1151.	1.6	41
14	Does the aortic annulus undergo conformational change throughout the cardiac cycle? A systematic review. European Heart Journal Cardiovascular Imaging, 2015, 16, jev210.	1.2	41
15	Head-to-head comparison between echocardiography and cardiac MRI in the evaluation of the athlete's heart. British Journal of Sports Medicine, 2012, 46, 348-354.	6.7	39
16	Sympathetic activity in chronic kidney disease patients is related to left ventricular mass despite antihypertensive treatment. Nephrology Dialysis Transplantation, 2010, 25, 3272-3277.	0.7	33
17	Caffeine intake inverts the effect of adenosine on myocardial perfusion during stress as measured by T1 mapping. International Journal of Cardiovascular Imaging, 2016, 32, 1545-1553.	1.5	31
18	Quantitative myocardial perfusion evaluation with positron emission tomography and the risk of cardiovascular events in patients with coronary artery disease: a systematic review of prognostic studies. European Heart Journal Cardiovascular Imaging, 2018, 19, 1179-1187.	1.2	31

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19	Imaging infective endocarditis: Adherence to a diagnostic flowchart and direct comparison of imaging techniques. Journal of Nuclear Cardiology, 2020, 27, 592-608.	2.1	30
20	Native T₁ reference values for nonischemic cardiomyopathies and populations with increased cardiovascular risk: A systematic review and metaâ€analysis. Journal of Magnetic Resonance Imaging, 2018, 47, 891-912.	3.4	28
21	Advances in cardiac imaging: the role of magnetic resonance imaging and computed tomography in identifying athletes at risk. British Journal of Sports Medicine, 2009, 43, 677-684.	6.7	27
22	The effect of age in the cardiac MRI evaluation of the athlete's heart. International Journal of Cardiology, 2011, 149, 68-73.	1.7	26
23	Cardiovascular magnetic resonance imaging to identify left-sided chronic heart failure in stable patients with chronic obstructive pulmonary disease. American Heart Journal, 2008, 156, 506-512.	2.7	24
24	Predictors of left ventricular remodeling after ST-elevation myocardial infarction. International Journal of Cardiovascular Imaging, 2017, 33, 1415-1423.	1.5	20
25	Radiation-Induced Myocardial Fibrosis in Long-Term Esophageal Cancer Survivors. International Journal of Radiation Oncology Biology Physics, 2021, 110, 1013-1021.	0.8	19
26	Role of plakophilin-2 expression on exercise-related progression of arrhythmogenic right ventricular cardiomyopathy: a translational study. European Heart Journal, 2022, 43, 1251-1264.	2.2	19
27	Chronic ischemic mitral regurgitation and papillary muscle infarction detected by late gadolinium-enhanced cardiac magnetic resonance imaging in patients with ST-segment elevation myocardial infarction. Clinical Research in Cardiology, 2016, 105, 981-991.	3.3	17
28	Diagnostic Value of Native T1 Mapping inÂArrhythmogenic Right Ventricular Cardiomyopathy. JACC: Cardiovascular Imaging, 2019, 12, 1580-1582.	5.3	17
29	Unravelling the grey zone: cardiac MRI volume to wall mass ratio to differentiate hypertrophic cardiomyopathy and the athlete's heart. British Journal of Sports Medicine, 2015, 49, 1404-1409.	6.7	15
30	Phase analysis of gated PET in the evaluation of mechanical ventricular synchrony: A narrative overview. Journal of Nuclear Cardiology, 2019, 26, 1904-1913.	2.1	15
31	Blood Oxygen Levelâ€“Dependent MRI of the Myocardium with Multiecho Gradient-Echo Spin-Echo Imaging. Radiology, 2020, 294, 538-545.	7.3	14
32	Stress myocardial blood flow correlates with ventricular function and synchrony better than myocardial perfusion reserve: A Nitrogen-13 ammonia PET study. Journal of Nuclear Cardiology, 2018, 25, 797-806.	2.1	13
33	Echocardiographic deformation imaging reveals preserved regional systolic function in endurance athletes with left ventricular hypertrophy. British Journal of Sports Medicine, 2010, 44, 872-878.	6.7	12
34	Relationship of ventricular and atrial dilatation to valvular function in endurance athletes. British Journal of Sports Medicine, 2011, 45, 178-184.	6.7	12
35	Myocardial bridging of the left anterior descending coronary artery is associated with reduced myocardial perfusion reserve: a 13N-ammonia PET study. International Journal of Cardiovascular Imaging, 2019, 35, 375-382.	1.5	11
36	3D MR coronary angiography: optimization of the technique and preliminary results. International Journal of Cardiovascular Imaging, 2006, 22, 477-487.	1.5	10

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37	Image quality assessment of the right ventricle with three different delayed enhancement sequences in patients suspected of ARVC/D. International Journal of Cardiovascular Imaging, 2012, 28, 595-601.	1.5	9
38	Intermodel Agreement of Myocardial Blood Flow Estimation From Stress-Rest Myocardial Perfusion Magnetic Resonance Imaging in Patients With Coronary Artery Disease. Investigative Radiology, 2015, 50, 275-282.	6.2	8
39	Patient-Tailored Approach for Diagnostics and Treatment of Mycotic Abdominal Aortic Aneurysm. Annals of Vascular Surgery, 2022, 84, 225-238.	0.9	6
40	Contrast-optimized composite image derived from multigradient echo cardiac magnetic resonance imaging improves reproducibility of myocardial contours and T2* measurement. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2016, 29, 17-27.	2.0	5
41	Late cardiac toxicity of neo-adjuvant chemoradiation in esophageal cancer survivors: a prospective cross-sectional pilot study. Radiotherapy and Oncology, 2021, , .	0.6	4
42	Semi-automated myocardial segmentation of brightÂblood multi-gradient echo images improves reproducibility of myocardial contours and T2* determination. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2017, 30, 239-254.	2.0	3
43	Balancing Speed and Accuracy in Cardiac Magnetic Resonance Function Post-Processing: Comparing 2 Levels of Automation in 3 Vendors to Manual Assessment. Diagnostics, 2021, 11, 1758.	2.6	3
44	Identifying Coronary Artery Disease in Asymptomatic Middle-Aged Sportsmen: The Additional Value of Pulse Wave Velocity. PLoS ONE, 2015, 10, e0131895.	2.5	2
45	The Relationship Between Lifelong Exercise Volume and Coronary Atherosclerosis. Medicine and Science in Sports and Exercise, 2017, 49, 156.	0.4	1
46	Measuring Athleteâ€™S Risk Of Cardiovascular Events (marc) Study The Role Of Coronary Ct In The Cardiovascular Evaluation Of Middle-aged Sportsmen. Medicine and Science in Sports and Exercise, 2015, 47, 51-52.	0.4	0
47	Left coronary artery anomaly: a case report of a hypoplastic and anomalous origin from the left ventricular outflow tract. European Heart Journal - Case Reports, 2019, 3, .	0.6	0
48	Added Value of Transluminal Attenuation Gradient to Qualitative CCTA Ischemia Detection as Determined by 13N-ammonia PET Quantitative Myocardial Perfusion. Diagnostics, 2020, 10, 628.	2.6	0