

Ronny Ralf Buechel

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.

142
papers

2,828
citations

31
h-index

47
g-index

156
ext. papers

3,558
ext. citations

4.6
avg, IF

4.83
L-index

#	Paper	IF	Citations
142	Heart-brain interactions in cardiac and brain diseases: why sex matters.. <i>European Heart Journal</i> , 2022 ,	9.5	3
141	Role of cardiac CT in the diagnostic evaluation and risk stratification of patients with myocardial infarction and non-obstructive coronary arteries (MINOCA): rationale and design of the MINOCA-GR study.. <i>BMJ Open</i> , 2022 , 12, e054698	3	0
140	Low-dose CT from myocardial perfusion SPECT/CT allows the detection of anemia in preoperative patients.. <i>Journal of Nuclear Cardiology</i> , 2022 , 1	2.1	2
139	Computed tomography angiography versus Agatston score for diagnosis of coronary artery disease in patients with stable chest pain: individual patient data meta-analysis of the international COME-CCT Consortium.. <i>European Radiology</i> , 2022 , 1	8	
138	Fully automated deep learning powered calcium scoring in patients undergoing myocardial perfusion imaging.. <i>Journal of Nuclear Cardiology</i> , 2022 , 1	2.1	0
137	Value of 12-lead electrocardiogram to predict myocardial scar on FDG PET in heart failure patients. <i>Journal of Nuclear Cardiology</i> , 2021 , 28, 1364-1373	2.1	7
136	Changes in left ventricle myocardial volume during stress test using cadmium-zinc-telluride cardiac imaging: Implications in coronary artery disease. <i>Journal of Nuclear Cardiology</i> , 2021 , 28, 1623-1633	2.1	1
135	Radiation dose reduction with deep-learning image reconstruction for coronary computed tomography angiography. <i>European Radiology</i> , 2021 , 1	8	2
134	A specific plasma lipid signature associated with high triglycerides and low HDL cholesterol identifies residual CAD risk in patients with chronic coronary syndrome. <i>Atherosclerosis</i> , 2021 , 339, 1-11	3.1	1
133	Coronary CT angiography as a guide in decision-making for left main spontaneous coronary dissection. <i>Hellenic Journal of Cardiology</i> , 2021 , 62, 320-321	2.1	
132	Potential Impact of Statins on Neuronal Stress Responses in Patients at Risk for Cardiovascular Disease. <i>Journal of Personalized Medicine</i> , 2021 , 11,	3.6	1
131	Prognostic value of regional myocardial flow reserve derived from N-ammonia positron emission tomography in patients with suspected coronary artery disease. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021 , 1	8.8	0
130	Convenient timing by Accident Resting ischemia detected by resting myocardial perfusion imaging. <i>Imaging</i> , 2021 , 13, 84-85	0.3	
129	Role of quantitative myocardial blood flow and N-ammonia washout for viability assessment in ischemic cardiomyopathy. <i>Journal of Nuclear Cardiology</i> , 2021 , 28, 263-273	2.1	8
128	Myocardial creep-induced misalignment artifacts in PET/MR myocardial perfusion imaging. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021 , 48, 406-413	8.8	0
127	Quantification of perivascular inflammation does not provide incremental prognostic value over myocardial perfusion imaging and calcium scoring. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021 , 48, 1806-1812	8.8	4
126	Prognostic Value of Quantitative Metrics From Positron Emission Tomography in Ischemic Heart Failure. <i>JACC: Cardiovascular Imaging</i> , 2021 , 14, 454-464	8.4	4

125	Coronary artery disease in patients with human immunodeficiency virus infection. <i>Journal of Nuclear Cardiology</i> , 2021 , 28, 510-530	2.1	2
124	Coronary artery lumen volume index as a marker of flow-limiting atherosclerosis-validation against N-ammonia positron emission tomography. <i>European Radiology</i> , 2021 , 31, 5116-5126	8	0
123	Age- and sex-dependent changes of resting amygdalar activity in individuals free of clinical cardiovascular disease. <i>Journal of Nuclear Cardiology</i> , 2021 , 28, 427-432	2.1	1
122	Splenic switch-off as a predictor for coronary adenosine response: validation against ¹³ N-ammonia during co-injection myocardial perfusion imaging on a hybrid PET/CMR scanner. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2021 , 23, 3	6.9	3
121	Sex differences in coronary plaque changes assessed by serial computed tomography angiography. <i>International Journal of Cardiovascular Imaging</i> , 2021 , 37, 2311-2321	2.5	1
120	New Therapies to Modulate Post-Infarction Inflammatory Alterations in the Myocardium: State of the Art and Forthcoming Applications. <i>Current Radiopharmaceuticals</i> , 2021 , 14, 273-299	1.8	1
119	Antiretroviral Drugs Associated With Subclinical Coronary Artery Disease in the Swiss Human Immunodeficiency Virus Cohort Study. <i>Clinical Infectious Diseases</i> , 2020 , 70, 884-889	11.6	7
118	Safety and feasibility evaluation of planning and execution of surgical revascularisation solely based on coronary CTA and FFR in patients with complex coronary artery disease: study protocol of the FASTTRACK CABG study. <i>BMJ Open</i> , 2020 , 10, e038152	3	4
117	Potential of Radiation Dose Reduction by Optimizing Z-Axis Coverage in Coronary Computed Tomography Angiography on a Latest-Generation 256-Slice Scanner. <i>Journal of Computer Assisted Tomography</i> , 2020 , 44, 289-294	2.2	0
116	Diagnostic performance of angiography-based quantitative flow ratio for the identification of myocardial ischemia as assessed by N-ammonia myocardial perfusion imaging positron emission tomography. <i>International Journal of Cardiology</i> , 2020 , 314, 13-19	3.2	2
115	Microvascular dysfunction and sympathetic hyperactivity in women with supra-normal left ventricular ejection fraction (snLVEF). <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2020 , 47, 3094-3106	8.8	7
114	Impact of Clinical Characteristics and Statins on Coronary Plaque Progression by Serial Computed Tomography Angiography. <i>Circulation: Cardiovascular Imaging</i> , 2020 , 13, e009750	3.9	16
113	Transluminal attenuation gradient derived from coronary CT angiography to predict ischemia in SPECT myocardial perfusion imaging: Effect of coronary cross-sectional area. <i>Journal of Nuclear Cardiology</i> , 2020 , 1	2.1	0
112	Increased long-term mortality in women with high left ventricular ejection fraction: data from the CONFIRM (COronary CT Angiography EvaluationN For Clinical Outcomes: An InteRnational Multicenter) long-term registry. <i>European Heart Journal Cardiovascular Imaging</i> , 2020 , 21, 363-374	4.1	5
111	Der Unterschied zwischen Position und Konsensus. <i>Kardiologe</i> , 2020 , 14, 42-45	0.6	
110	Validation of deep-learning image reconstruction for coronary computed tomography angiography: Impact on noise, image quality and diagnostic accuracy. <i>Journal of Cardiovascular Computed Tomography</i> , 2020 , 14, 444-451	2.8	42
109	Impact of Adaptive Statistical Iterative Reconstruction-V on Coronary Artery Calcium Scores Obtained From Low-Tube-Voltage Computed Tomography - A Patient Study. <i>Academic Radiology</i> , 2020 ,	4.3	3
108	Splenic switch-off as a novel marker for adenosine response in nitrogen-13 ammonia PET myocardial perfusion imaging: Cross-validation against CMR using a hybrid PET/MR device. <i>Journal of Nuclear Cardiology</i> , 2020 , 1	2.1	1

107	Sex-dependent association between inflammation, neural stress responses, and impaired myocardial function. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2020 , 47, 2010-2015	8.8	10
106	Coronary artery volume index: a novel CCTA-derived predictor for cardiovascular events. <i>International Journal of Cardiovascular Imaging</i> , 2020 , 36, 713-722	2.5	5
105	Is There Role for 3D Modeling in Planning Acquired Heart Disease Surgery? 2020 , 75-86		
104	Longitudinal Progression of Subclinical Coronary Atherosclerosis in Swiss HIV-Positive Compared With HIV-Negative Persons Undergoing Coronary Calcium Score Scan and CT Angiography. <i>Open Forum Infectious Diseases</i> , 2020 , 7, ofaa438	1	3
103	Kardiologische Anforderungen an die Nuklearmedizinische Untersuchung. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2020 , 43, 69-74	0.1	
102	Diagnostic criteria for left ventricular non-compaction in cardiac computed tomography. <i>PLoS ONE</i> , 2020 , 15, e0235751	3.7	6
101	Myocardial F-FDG Uptake Pattern for Cardiovascular Risk Stratification in Patients Undergoing Oncologic PET/CT. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	4
100	Sex and age differences in the association of heart rate responses to adenosine and myocardial ischemia in patients undergoing myocardial perfusion imaging. <i>Journal of Nuclear Cardiology</i> , 2020 , 27, 159-170	2.1	8
99	Ultra-low-dose computed tomography for attenuation correction of cadmium-zinc-telluride single photon emission computed tomography myocardial perfusion imaging. <i>Journal of Nuclear Cardiology</i> , 2020 , 27, 228-237	2.1	8
98	"Apical thinning": Relations between myocardial wall thickness and apical left ventricular tracer uptake as assessed with positron emission tomography myocardial perfusion imaging. <i>Journal of Nuclear Cardiology</i> , 2020 , 27, 452-460	2.1	8
97	Association between vertebral bone mineral density, myocardial perfusion, and long-term cardiovascular outcomes: A sex-specific analysis. <i>Journal of Nuclear Cardiology</i> , 2020 , 27, 726-736	2.1	4
96	Myocardial blood flow and cardiac sympathetic innervation in young adults late after arterial switch operation for transposition of the great arteries. <i>International Journal of Cardiology</i> , 2020 , 299, 110-115	3.2	3
95	Sex Differences in the Association between Inflammation and Ischemic Heart Disease. <i>Thrombosis and Haemostasis</i> , 2019 , 119, 1471-1480	7	12
94	Metabolic Activity in Central Neural Structures of Patients With Myocardial Injury. <i>Journal of the American Heart Association</i> , 2019 , 8, e013070	6	2
93	Quantification of intrathoracic fat adds prognostic value in women undergoing myocardial perfusion imaging. <i>International Journal of Cardiology</i> , 2019 , 292, 258-264	3.2	5
92	Diagnosis of obstructive coronary artery disease using computed tomography angiography in patients with stable chest pain depending on clinical probability and in clinically important subgroups: meta-analysis of individual patient data. <i>BMJ, The</i> , 2019 , 365, l1945	5.9	39
91	A guide for Gensini Score calculation. <i>Atherosclerosis</i> , 2019 , 287, 181-183	3.1	51
90	Association between resting amygdalar activity and abnormal cardiac function in women and men: a retrospective cohort study. <i>European Heart Journal Cardiovascular Imaging</i> , 2019 , 20, 625-632	4.1	12

89	High efficiency gamma camera enables ultra-low fixed dose stress/rest myocardial perfusion imaging. <i>European Heart Journal Cardiovascular Imaging</i> , 2019 , 20, 218-224	4.1	8
88	No differences in rest myocardial blood flow in stunned and hibernating myocardium: insights into the pathophysiology of ischemic cardiomyopathy. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2019 , 46, 2322-2328	8.8	5
87	Enhanced radiation exposure associated with anterior-posterior x-ray tube position in young women undergoing cardiac computed tomography. <i>American Heart Journal</i> , 2019 , 215, 91-94	4.9	3
86	Subclinical Atherosclerosis Imaging in People Living with HIV. <i>Journal of Clinical Medicine</i> , 2019 , 8,	5.1	7
85	Heart rate reserve is a long-term risk predictor in women undergoing myocardial perfusion imaging. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2019 , 46, 2032-2041	8.8	9
84	Diagnosis and Management of Anomalous Coronary Arteries with a Malignant Course. <i>Interventional Cardiology Review</i> , 2019 , 14, 83-88	4.2	23
83	Heart rate reserve during pharmacological stress is a significant negative predictor of impaired coronary flow reserve in women. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2019 , 46, 1257-1267	8.8	10
82	Association between beta-adrenoceptor antagonist-induced sympathicolysis and severity of coronary artery disease as assessed by coronary computed tomography angiography (CCTA). <i>International Journal of Cardiovascular Imaging</i> , 2019 , 35, 927-936	2.5	1
81	Cardiac hybrid imaging combining 3D-strain echocardiography with coronary computed tomography angiography. <i>European Heart Journal</i> , 2019 , 40, 395-396	9.5	4
80	Imaging the event-prone coronary artery plaque. <i>Journal of Nuclear Cardiology</i> , 2019 , 26, 141-153	2.1	13
79	Corrected coronary opacification decrease from coronary computed tomography angiography: Validation with quantitative ¹³ N-ammonia positron emission tomography. <i>Journal of Nuclear Cardiology</i> , 2019 , 26, 561-568	2.1	10
78	Gated SPECT myocardial perfusion imaging with cadmium-zinc-telluride detectors allows real-time assessment of dobutamine-stress-induced wall motion abnormalities. <i>Journal of Nuclear Cardiology</i> , 2019 , 26, 1734-1742	2.1	1
77	Sports Behavior in Middle-Aged Individuals with Anomalous Coronary Artery from the Opposite Sinus of Valsalva. <i>Cardiology</i> , 2018 , 139, 222-230	1.6	5
76	Impact of cardiac hybrid imaging-guided patient management on clinical long-term outcome. <i>International Journal of Cardiology</i> , 2018 , 261, 218-222	3.2	7
75	Ultra-low-dose coronary artery calcium scoring using novel scoring thresholds for low tube voltage protocols-a pilot study. <i>European Heart Journal Cardiovascular Imaging</i> , 2018 , 19, 1362-1371	4.1	24
74	Triple hybrid imaging of a high-risk coronary plaque: morphology, perfusion, and haemorrhage. <i>European Heart Journal</i> , 2018 , 39, 2508	9.5	3
73	Non-invasive screening for coronary artery disease in asymptomatic diabetic patients: a systematic review and meta-analysis of randomised controlled trials. <i>European Heart Journal Cardiovascular Imaging</i> , 2018 , 19, 838-846	4.1	22
72	Subclinical coronary artery disease in Swiss HIV-positive and HIV-negative persons. <i>European Heart Journal</i> , 2018 , 39, 2147-2154	9.5	35

71	Applicability and accuracy of pretest probability calculations implemented in the NICE clinical guideline for decision making about imaging in patients with chest pain of recent onset. <i>European Radiology</i> , 2018 , 28, 4006-4017	8	1
70	Head-to-head comparison of adaptive statistical and model-based iterative reconstruction algorithms for submillisievert coronary CT angiography. <i>European Heart Journal Cardiovascular Imaging</i> , 2018 , 19, 193-198	4.1	18
69	Strategies for radiation dose reduction in nuclear cardiology and cardiac computed tomography imaging: a report from the European Association of Cardiovascular Imaging (EACVI), the Cardiovascular Committee of European Association of Nuclear Medicine (EANM), and the European Society of Cardiovascular Radiology (ESCR). <i>European Heart Journal</i> , 2018 , 39, 286-296	9.5	25
68	Age- and sex-dependent changes in sympathetic activity of the left ventricular apex assessed by 18F-DOPA PET imaging. <i>PLoS ONE</i> , 2018 , 13, e0202302	3.7	16
67	Incidental Findings on Coronary Computed Tomography Angiography in Human Immunodeficiency Virus (HIV)-Positive and HIV-Negative Persons. <i>Open Forum Infectious Diseases</i> , 2018 , 5, ofy084	1	3
66	Sex differences in the long-term prognostic value of N-ammonia myocardial perfusion positron emission tomography. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2018 , 45, 1964-1974	8.8	12
65	High-Risk Plaque Regression and Stabilization: Hybrid Noninvasive Morphological and Hemodynamic Assessment. <i>Circulation: Cardiovascular Imaging</i> , 2018 , 11, e007888	3.9	1
64	Hybrid SPECT Perfusion Imaging and Coronary CT Angiography: Long-term Prognostic Value for Cardiovascular Outcomes. <i>Radiology</i> , 2018 , 288, 694-702	20.5	20
63	Hybrid CCTA/SPECT myocardial perfusion imaging findings in patients with anomalous origin of coronary arteries from the opposite sinus and suspected concomitant coronary artery disease. <i>Journal of Nuclear Cardiology</i> , 2017 , 24, 226-234	2.1	23
62	Real-time respiratory triggered SPECT myocardial perfusion imaging using CZT technology: impact of respiratory phase matching between SPECT and low-dose CT for attenuation correction. <i>European Heart Journal Cardiovascular Imaging</i> , 2017 , 18, 31-38	4.1	8
61	A low-dose and an ultra-low-dose contrast agent protocol for coronary CT angiography in a clinical setting: quantitative and qualitative comparison to a standard dose protocol. <i>British Journal of Radiology</i> , 2017 , 90, 20160933	3.4	11
60	Long-term prognostic performance of low-dose coronary computed tomography angiography with prospective electrocardiogram triggering. <i>European Radiology</i> , 2017 , 27, 4650-4660	8	16
59	Long-term outcome prediction by functional parameters derived from coronary computed tomography angiography. <i>International Journal of Cardiology</i> , 2017 , 243, 533-537	3.2	11
58	Effect of phosphodiesterase-5 inhibition with Tadalafil on Systolic Right Ventricular size and function - A multi-center, double-blind, randomized, placebo-controlled clinical trial - SERVE trial - Rationale and design. <i>International Journal of Cardiology</i> , 2017 , 243, 354-359	3.2	7
57	Multimodality Imaging in Individuals With Anomalous Coronary Arteries. <i>JACC: Cardiovascular Imaging</i> , 2017 , 10, 471-481	8.4	49
56	Outcome in middle-aged individuals with anomalous origin of the coronary artery from the opposite sinus: a matched cohort study. <i>European Heart Journal</i> , 2017 , 38, 2009-2016	9.5	23
55	Conventional versus 3-D Echocardiography to Predict Arrhythmia Recurrence After Atrial Fibrillation Ablation. <i>Journal of Cardiovascular Electrophysiology</i> , 2017 , 28, 651-658	2.7	11
54	Diagnostic accuracy of coronary opacification derived from coronary computed tomography angiography to detect ischemia: first validation versus single-photon emission computed tomography. <i>EJNMMI Research</i> , 2017 , 7, 92	3.6	3

53	Fused cardiac hybrid imaging with coronary computed tomography angiography and positron emission tomography in patients with complex coronary artery anomalies. <i>Congenital Heart Disease</i> , 2017 , 12, 49-57	3.1	13
52	Impact of age and sex on left ventricular function determined by coronary computed tomographic angiography: results from the prospective multicentre CONFIRM study. <i>European Heart Journal Cardiovascular Imaging</i> , 2017 , 18, 990-1000	4.1	13
51	Association of left bundle branch block with obstructive coronary artery disease on coronary CT angiography: a case-control study. <i>European Heart Journal Cardiovascular Imaging</i> , 2016 , 17, 765-71	4.1	3
50	Cardiac SPECT/CCTA hybrid imaging : One answer to two questions?. <i>Herz</i> , 2016 , 41, 391-7	2.6	5
49	Newer generation cameras are preferred. <i>Journal of Nuclear Cardiology</i> , 2016 , 23, 790-4	2.1	2
48	Quantification of epicardial and intrathoracic fat volume does not provide an added prognostic value as an adjunct to coronary artery calcium score and myocardial perfusion single-photon emission computed tomography. <i>European Heart Journal Cardiovascular Imaging</i> , 2016 , 17, 885-91	4.1	8
47	Impact of monochromatic coronary computed tomography angiography from single-source dual-energy CT on coronary stenosis quantification. <i>Journal of Cardiovascular Computed Tomography</i> , 2016 , 10, 135-40	2.8	16
46	Low dose in nuclear cardiology: state of the art in the era of new cadmium-zinc-telluride cameras. <i>European Heart Journal Cardiovascular Imaging</i> , 2016 , 17, 591-5	4.1	18
45	Prevalence and characteristics of coronary artery anomalies detected by coronary computed tomography angiography in 5 634 consecutive patients in a single centre in Switzerland. <i>Swiss Medical Weekly</i> , 2016 , 146, w14294	3.1	21
44	Absolute Myocardial Blood Flow and Flow Reserve Assessed by Gated SPECT with Cadmium-Zinc-Telluride Detectors Using 99mTc-Tetrofosmin: Head-to-Head Comparison with 13N-Ammonia PET. <i>Journal of Nuclear Medicine</i> , 2016 , 57, 1887-1892	8.9	69
43	Adaptive Statistical Iterative Reconstruction-V: Impact on Image Quality in Ultralow-Dose Coronary Computed Tomography Angiography. <i>Journal of Computer Assisted Tomography</i> , 2016 , 40, 958-963	2.2	36
42	Minimized Radiation and Contrast Agent Exposure for Coronary Computed Tomography Angiography: First Clinical Experience on a Latest Generation 256-slice Scanner. <i>Academic Radiology</i> , 2016 , 23, 1008-14	4.3	35
41	MR-based attenuation correction for cardiac FDG PET on a hybrid PET/MRI scanner: comparison with standard CT attenuation correction. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2015 , 42, 1574-80	8.8	39
40	Ultra-low-dose hybrid single photon emission computed tomography and coronary computed tomography angiography: a comprehensive and non-invasive diagnostic workup of suspected coronary artery disease. <i>European Heart Journal</i> , 2015 , 36, 3345	9.5	12
39	EANM procedural guidelines for radionuclide myocardial perfusion imaging with SPECT and SPECT/CT: 2015 revision. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2015 , 42, 1929-40	8.8	179
38	Non-invasive nuclear myocardial perfusion imaging improves the diagnostic yield of invasive coronary angiography. <i>European Heart Journal Cardiovascular Imaging</i> , 2015 , 16, 842-7	4.1	16
37	First experience with single-source, dual-energy CCTA for monochromatic stent imaging. <i>European Heart Journal Cardiovascular Imaging</i> , 2015 , 16, 507-12	4.1	29
36	Accuracy of coronary CT angiography using a submillisievert fraction of radiation exposure: comparison with invasive coronary angiography. <i>Journal of the American College of Cardiology</i> , 2014 , 64, 772-80	15.1	76

35	Prognostic value of coronary CT angiography on long-term follow-up of 6.9 years. <i>International Journal of Cardiovascular Imaging</i> , 2014 , 30, 969-76	2.5	32
34	Coronary computed tomography angiography with model-based iterative reconstruction using a radiation exposure similar to chest X-ray examination. <i>European Heart Journal</i> , 2014 , 35, 1131-6	9.5	80
33	Coronary artery calcium quantification from contrast enhanced CT using gemstone spectral imaging and material decomposition. <i>International Journal of Cardiovascular Imaging</i> , 2014 , 30, 1399-405	2.5	15
32	Impact of a new motion-correction algorithm on image quality of low-dose coronary CT angiography in patients with insufficient heart rate control. <i>Academic Radiology</i> , 2014 , 21, 312-7	4.3	35
31	Head-to-head comparison of two-dimensional and three-dimensional echocardiographic methods for left atrial chamber quantification with magnetic resonance imaging. <i>Journal of the American Society of Echocardiography</i> , 2013 , 26, 428-35	5.8	34
30	Assessment of left atrial functional parameters using a novel dedicated analysis tool for real-time three-dimensional echocardiography: validation in comparison to magnetic resonance imaging. <i>International Journal of Cardiovascular Imaging</i> , 2013 , 29, 601-8	2.5	13
29	Cardiovascular management of cancer patients with chemotherapy-associated left ventricular systolic dysfunction in real-world clinical practice. <i>Journal of Cardiac Failure</i> , 2013 , 19, 629-34	3.3	31
28	Discontinuation of secondary prevention medication after myocardial infarction - the role of general practitioners and patients. <i>Swiss Medical Weekly</i> , 2013 , 143, w13896	3.1	9
27	Low-dose computed tomography coronary angiography with prospective electrocardiogram triggering: feasibility in a large population. <i>Journal of the American College of Cardiology</i> , 2011 , 57, 332-6	15.1	77
26	Semiconductor detectors allow low-dose-low-dose 1-day SPECT myocardial perfusion imaging. <i>Journal of Nuclear Medicine</i> , 2011 , 52, 1204-9	8.9	49
25	Rapid cardiac hybrid imaging with minimized radiation dose for accurate non-invasive assessment of ischemic coronary artery disease. <i>International Journal of Cardiology</i> , 2011 , 153, 10-3	3.2	14
24	Very high coronary calcium score unmask obstructive coronary artery disease in patients with normal SPECT MPI. <i>Heart</i> , 2011 , 97, 998-1003	5.1	55
23	Impact of CT attenuation correction on the viability pattern assessed by 99mTc-tetrofosmin SPECT/18F-FDG PET. <i>International Journal of Cardiovascular Imaging</i> , 2011 , 27, 913-21	2.5	10
22	Left ventricular dyssynchrony assessment by phase analysis from gated PET-FDG scans. <i>Journal of Nuclear Cardiology</i> , 2011 , 18, 920-5	2.1	22
21	Main pulmonary artery diameter from attenuation correction CT scans in cardiac SPECT accurately predicts pulmonary hypertension. <i>Journal of Nuclear Cardiology</i> , 2011 , 18, 634-41	2.1	17
20	Functional assessment of the left atrium by real-time three-dimensional echocardiography using a novel dedicated analysis tool: initial validation studies in comparison with computed tomography. <i>European Heart Journal Cardiovascular Imaging</i> , 2011 , 12, 497-505	4.1	35
19	Prognostic performance of low-dose coronary CT angiography with prospective ECG triggering. <i>Heart</i> , 2011 , 97, 1385-90	5.1	12
18	Prognostic value of cardiac hybrid imaging integrating single-photon emission computed tomography with coronary computed tomography angiography. <i>European Heart Journal</i> , 2011 , 32, 1465-71	9.5	100

17	Inter-scan variability of coronary artery calcium scoring assessed on 64-multidetector computed tomography vs. dual-source computed tomography: a head-to-head comparison. <i>European Heart Journal</i> , 2011 , 32, 1865-74	9.5	52
16	Impact of cardiac hybrid single-photon emission computed tomography/computed tomography imaging on choice of treatment strategy in coronary artery disease. <i>European Heart Journal</i> , 2011 , 32, 2824-9	9.5	52
15	Improved outcome prediction by SPECT myocardial perfusion imaging after CT attenuation correction. <i>Journal of Nuclear Medicine</i> , 2011 , 52, 196-200	8.9	57
14	Long-term prognostic value of left ventricular dyssynchrony assessment by phase analysis from myocardial perfusion imaging. <i>Heart</i> , 2011 , 97, 33-7	5.1	46
13	Nuclear myocardial perfusion imaging with a cadmium-zinc-telluride detector technique: optimized protocol for scan time reduction. <i>Journal of Nuclear Medicine</i> , 2010 , 51, 46-51	8.9	174
12	Validation of CT attenuation correction for high-speed myocardial perfusion imaging using a novel cadmium-zinc-telluride detector technique. <i>Journal of Nuclear Medicine</i> , 2010 , 51, 1539-44	8.9	52
11	Usefulness of additional coronary calcium scoring in low-dose CT coronary angiography with prospective ECG-triggering impact on total effective radiation dose and diagnostic accuracy. <i>Academic Radiology</i> , 2010 , 17, 201-6	4.3	26
10	Incidental detection of a pulmonary adenocarcinoma on low-dose computed tomography used for attenuation correction in myocardial perfusion imaging with SPECT. <i>Clinical Nuclear Medicine</i> , 2010 , 35, 751-2	1.7	6
9	Coronary calcium score scans for attenuation correction of quantitative PET/CT 13N-ammonia myocardial perfusion imaging. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2010 , 37, 517-21	8.8	26
8	Non-invasive assessment of coronary artery disease with CT coronary angiography and SPECT: a novel dose-saving fast-track algorithm. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2010 , 37, 522-7	8.8	28
7	New reconstruction algorithm allows shortened acquisition time for myocardial perfusion SPECT. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2010 , 37, 750-7	8.8	43
6	Ultrafast nuclear myocardial perfusion imaging on a new gamma camera with semiconductor detector technique: first clinical validation. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2010 , 37, 773-8	8.8	144
5	Real-time breath-hold triggering of myocardial perfusion imaging with a novel cadmium-zinc-telluride detector gamma camera. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2010 , 37, 1903-8	8.8	33
4	Ultrafast assessment of left ventricular dyssynchrony from nuclear myocardial perfusion imaging on a new high-speed gamma camera. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2010 , 37, 2086-92	8.8	32
3	Myocardial perfusion imaging with real-time respiratory triggering: impact of inspiration breath-hold on left ventricular functional parameters. <i>Journal of Nuclear Cardiology</i> , 2010 , 17, 848-52	2.1	10
2	Validation of a new contrast material protocol adapted to body surface area for optimized low-dose CT coronary angiography with prospective ECG-triggering. <i>International Journal of Cardiovascular Imaging</i> , 2010 , 26, 591-7	2.5	41
1	Prevalence of noncardiac findings on low dose 64-slice computed tomography used for attenuation correction in myocardial perfusion imaging with SPECT. <i>International Journal of Cardiovascular Imaging</i> , 2009 , 25, 859-65	2.5	16