

Antti Saraste

List of Publications by Year in Descending Order

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Version: 2024-04-17

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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.

148
papers

6,705
citations

34
h-index

80
g-index

179
ext. papers

9,264
ext. citations

4.8
avg, IF

5.39
L-index

#	Paper	IF	Citations
148	Using measurement uncertainty in a risk-based decision-making framework for clinical diagnosis. <i>Series on Advances in Mathematics for Applied Sciences</i> , 2022 , 306-320		1
147	Positron Emission Tomography in Atherosclerosis Research.. <i>Methods in Molecular Biology</i> , 2022 , 2419, 825-839	1.4	
146	Classification of ischemia from myocardial polar maps in O-HO cardiac perfusion imaging using a convolutional neural network.. <i>Scientific Reports</i> , 2022 , 12, 2839	4.9	0
145	Assessment of myocardial viability with [O]water PET: A validation study in experimental myocardial infarction. <i>Journal of Nuclear Cardiology</i> , 2021 , 28, 1271-1280	2.1	5
144	Disproportionate left atrial myopathy in heart failure with preserved ejection fraction among participants of the PROMIS-HFpEF study. <i>Scientific Reports</i> , 2021 , 11, 4885	4.9	8
143	Position paper of the EACVI and EANM on artificial intelligence applications in multimodality cardiovascular imaging using SPECT/CT, PET/CT, and cardiac CT. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021 , 48, 1399-1413	8.8	11
142	Evaluation of glucagon-like peptide-1 receptor expression in nondiabetic and diabetic atherosclerotic mice using PET tracer Ga-NODAGA-exendin-4. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2021 , 320, E989-E998	6	3
141	Cardiac perfusion by positron emission tomography. <i>Clinical Physiology and Functional Imaging</i> , 2021 , 41, 385-400	2.4	0
140	Assessment of a digital and an analog PET/CT system for accurate myocardial perfusion imaging with a flow phantom. <i>Journal of Nuclear Cardiology</i> , 2021 , 1	2.1	1
139	Association between [Ga]NODAGA-RGDyK uptake and dynamics of angiogenesis in a human cell-based 3D model. <i>Molecular Biology Reports</i> , 2021 , 48, 5347-5353	2.8	1
138	Effect of Inhaled Xenon on Cardiac Function in Comatose Survivors of Out-of-Hospital Cardiac Arrest-A Substudy of the Xenon in Combination With Hypothermia After Cardiac Arrest Trial 2021 , 3, e0502		0
137	EANM procedural guidelines for PET/CT quantitative myocardial perfusion imaging. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021 , 48, 1040-1069	8.8	18
136	Global and segmental absolute stress myocardial blood flow in prediction of cardiac events: [O] water positron emission tomography study. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021 , 48, 1434-1444	8.8	2
135	EACVI survey on investigations and imaging modalities in chronic coronary syndromes. <i>European Heart Journal Cardiovascular Imaging</i> , 2021 , 22, 1-7	4.1	3
134	Procedural recommendations of cardiac PET/CT imaging: standardization in inflammatory-, infective-, infiltrative-, and innervation (4Is)-related cardiovascular diseases: a joint collaboration of the EACVI and the EANM. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021 , 48, 1016-1039	8.8	21
133	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
132	Improving patient identification for advanced cardiac imaging through machine learning-integration of clinical and coronary CT angiography data. <i>International Journal of Cardiology</i> , 2021 , 335, 130-136	3.2	1

131	Generalizability of HFA-PEFF and HFPEF Diagnostic Algorithms and Associations With Heart Failure Indices and Proteomic Biomarkers: Insights From PROMIS-HFpEF. <i>Journal of Cardiac Failure</i> , 2021 , 27, 756-765	3.3	5
130	Effect of respiratory motion correction and CT-based attenuation correction on dual-gated cardiac PET image quality and quantification. <i>Journal of Nuclear Cardiology</i> , 2021 , 1	2.1	
129	Extensive and balanced reduction of myocardial blood flow in patients with suspected obstructive coronary artery disease: 15O-water PET study. <i>International Journal of Cardiology</i> , 2021 , 338, 1-7	3.2	0
128	Evaluation of [Ga]Ga-NODAGA-RGD for PET Imaging of Rat Autoimmune Myocarditis.. <i>Frontiers in Medicine</i> , 2021 , 8, 783596	4.9	1
127	Incorporating Coronary Calcification Into Pre-Test Assessment of the Likelihood of Coronary Artery Disease. <i>Journal of the American College of Cardiology</i> , 2020 , 76, 2421-2432	15.1	30
126	ESC 2019 guidelines for the diagnosis and management of chronic coronary syndromes : Recommendations for cardiovascular imaging. <i>Herz</i> , 2020 , 45, 409-420	2.6	13
125	Health-related quality of life, angina type and coronary artery disease in patients with stable chest pain. <i>Health and Quality of Life Outcomes</i> , 2020 , 18, 140	3	2
124	15O-Water PET MPI: Current Status and Future Perspectives. <i>Seminars in Nuclear Medicine</i> , 2020 , 50, 238-247	5.4	2
123	Therapeutic Antibody Against Phosphorylcholine Preserves Coronary Function and Attenuates Vascular F-FDG Uptake in Atherosclerotic Mice. <i>JACC Basic To Translational Science</i> , 2020 , 5, 360-373	8.7	6
122	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
121	Percutaneous left atrial appendage closure in patients with prior intracranial bleeding and thromboembolism. <i>Heart Rhythm</i> , 2020 , 17, 915-921	6.7	2
120	Folate Receptor Targeted PET Imaging of Macrophages in Autoimmune Myocarditis. <i>Journal of Nuclear Medicine</i> , 2020 , 61, 1643-1649	8.9	14
119	Effects of dipeptidyl peptidase 4 inhibition on inflammation in atherosclerosis: A F-fluorodeoxyglucose study of a mouse model of atherosclerosis and type 2 diabetes. <i>Atherosclerosis</i> , 2020 , 305, 64-72	3.1	2
118	Prosthetic Valve Endocarditis: A Case Report with 18F-FDG-PET/CT as Part of the Diagnostic Workup. <i>Case Reports in Cardiology</i> , 2020 , 2020, 4921380	0.6	
117	Multimodality imaging: Bird's eye view from the European Society of Cardiology Congress 2019 Paris, August 31st-September 4th, 2019. <i>Journal of Nuclear Cardiology</i> , 2020 , 27, 53-61	2.1	2
116	Synthetic mRNA Encoding VEGF-A in Patients Undergoing Coronary Artery Bypass Grafting: Design of a Phase 2a Clinical Trial. <i>Molecular Therapy - Methods and Clinical Development</i> , 2020 , 18, 464-472	6.4	36
115	Design and rationale of FLAVOUR: A phase IIa efficacy study of the 5-lipoxygenase activating protein antagonist AZD5718 in patients with recent myocardial infarction. <i>Contemporary Clinical Trials Communications</i> , 2020 , 19, 100629	1.8	4
114	Proteomic Evaluation of the Comorbidity-Inflammation Paradigm in Heart Failure With Preserved Ejection Fraction: Results From the PROMIS-HFpEF Study. <i>Circulation</i> , 2020 , 142, 2029-2044	16.7	32

113	Procedural recommendations of cardiac PET/CT imaging: standardization in inflammatory-, infective-, infiltrative-, and innervation- (4Is) related cardiovascular diseases: a joint collaboration of the EACVI and the EANM: Summary. <i>European Heart Journal Cardiovascular Imaging</i> , 2020 , 21, 1320-1330	4.1	10
112	Association of Coronary Microvascular Dysfunction With Heart Failure Hospitalizations and Mortality in Heart Failure With Preserved Ejection Fraction: A Follow-up in the PROMIS-HFpEF Study. <i>Journal of Cardiac Failure</i> , 2020 , 26, 1016-1021	3.3	9
111	Radiosynthesis and preclinical evaluation of [Ga]Ga-NOTA-folate for PET imaging of folate receptor positive macrophages. <i>Scientific Reports</i> , 2020 , 10, 13593	4.9	7
110	Glucagon-like peptide-1 receptor expression after myocardial infarction: Imaging study using Ga-NODAGA-exendin-4 positron emission tomography. <i>Journal of Nuclear Cardiology</i> , 2020 , 27, 2386-2397 ¹	3.7	9
109	Ga-DOTA chelate, a novel imaging agent for assessment of myocardial perfusion and infarction detection in a rodent model. <i>Journal of Nuclear Cardiology</i> , 2020 , 27, 891-898	2.1	7
108	2019 ESC Guidelines for the diagnosis and management of chronic coronary syndromes. <i>European Heart Journal</i> , 2020 , 41, 407-477	9.5	1835
107	Absolute Stress Myocardial Blood Flow After Coronary CT Angiography Guides Referral to Invasive Angiography. <i>JACC: Cardiovascular Imaging</i> , 2019 , 12, 2266-2267	8.4	1
106	Insights into coronary atherosclerosis in individuals with low cholesterol levels by imaging. <i>European Heart Journal Cardiovascular Imaging</i> , 2019 , 20, 873-874	4.1	
105	Impact of a decreasing pre-test probability on the performance of diagnostic tests for coronary artery disease. <i>European Heart Journal Cardiovascular Imaging</i> , 2019 , 20, 1198-1207	4.1	56
104	Molecular Imaging to Monitor Left Ventricular Remodeling in Heart Failure. <i>Current Cardiovascular Imaging Reports</i> , 2019 , 12, 1	0.7	3
103	Amyloid-Targeting PET Tracer [F]Flutemetamol Accumulates in Atherosclerotic Plaques. <i>Molecules</i> , 2019 , 24,	4.8	4
102	Cardiac troponin elevations in marathon runners. Role of coronary atherosclerosis and skeletal muscle injury. The MaraCat Study. <i>International Journal of Cardiology</i> , 2019 , 295, 25-28	3.2	9
101	Imaging in ESC clinical guidelines: chronic coronary syndromes. <i>European Heart Journal Cardiovascular Imaging</i> , 2019 , 20, 1187-1197	4.1	26
100	Effectiveness of Only Aspirin or Clopidogrel Following Percutaneous Left Atrial Appendage Closure. <i>American Journal of Cardiology</i> , 2019 , 124, 1894-1899	3	5
99	Biomarker Correlates of Coronary Microvascular Dysfunction in Heart Failure With Preserved Ejection Fraction. <i>Circulation</i> , 2019 , 140, 1359-1361	16.7	4
98	Free PAPP-A as a biomarker: heparin-induced release is not related to coronary atherosclerotic burden. <i>Clinical Chemistry and Laboratory Medicine</i> , 2019 , 57, e155-e158	5.9	
97	Determinants of Myocardial Strain in Experimental Chronic Myocardial Infarction. <i>Ultrasound in Medicine and Biology</i> , 2019 , 45, 568-578	3.5	3
96	Overview of mitral regurgitation in Europe: results from the European Registry of mitral regurgitation (EuMiClip). <i>European Heart Journal Cardiovascular Imaging</i> , 2018 , 19, 503-507	4.1	29

95	The year in cardiology 2017: valvular heart disease. <i>European Heart Journal</i> , 2018 , 39, 650-657	9.5	7
94	Evaluation of Ga-labeled peptide tracer for detection of gelatinase expression after myocardial infarction in rat. <i>Journal of Nuclear Cardiology</i> , 2018 , 25, 1114-1123	2.1	8
93	Prevalence and correlates of coronary microvascular dysfunction in heart failure with preserved ejection fraction: PROMIS-HFpEF. <i>European Heart Journal</i> , 2018 , 39, 3439-3450	9.5	195
92	SPECT but not PET remains as the working horse of the state of the art nuclear cardiac imaging laboratory: Con. <i>Journal of Nuclear Cardiology</i> , 2018 , 25, 198-202	2.1	
91	Evaluation of [Ga]Ga-DOTA-TCTP-1 for the Detection of Metalloproteinase 2/9 Expression in Mouse Atherosclerotic Plaques. <i>Molecules</i> , 2018 , 23,	4.8	9
90	The performance of non-invasive tests to rule-in and rule-out significant coronary artery stenosis in patients with stable angina: a meta-analysis focused on post-test disease probability. <i>European Heart Journal</i> , 2018 , 39, 3322-3330	9.5	156
89	Positron Emission Tomography Imaging of Macrophages in Atherosclerosis with F-GE-180, a Radiotracer for Translocator Protein (TSPO). <i>Contrast Media and Molecular Imaging</i> , 2018 , 2018, 9186902 ^{3,2}		18
88	Aluminum fluoride-18 labeled folate enables in vivo detection of atherosclerotic plaque inflammation by positron emission tomography. <i>Scientific Reports</i> , 2018 , 8, 9720	4.9	25
87	F-FDG positron emission tomography/computed tomography in infective endocarditis. <i>Journal of Nuclear Cardiology</i> , 2017 , 24, 195-206	2.1	44
86	Effects of atorvastatin and diet interventions on atherosclerotic plaque inflammation and [F]FDG uptake in LdlrApob mice. <i>Atherosclerosis</i> , 2017 , 263, 369-376	3.1	11
85	PET imaging in heart failure: the role of new tracers. <i>Heart Failure Reviews</i> , 2017 , 22, 501-511	5	8
84	Prognostic Value of Coronary CT Angiography With Selective PET Perfusion Imaging in Coronary Artery Disease. <i>JACC: Cardiovascular Imaging</i> , 2017 , 10, 1361-1370	8.4	34
83	In Vivo Imaging of Inflammation 2017 , 1567-1582		
82	Low STAT3 expression sensitizes to toxic effects of β adrenergic receptor stimulation in peripartum cardiomyopathy. <i>European Heart Journal</i> , 2017 , 38, 349-361	9.5	63
81	Adenoviral intramyocardial VEGF-DNA gene transfer increases myocardial perfusion reserve in refractory angina patients: a phase I/IIa study with 1-year follow-up. <i>European Heart Journal</i> , 2017 , 38, 2547-2555	9.5	82
80	Metformin treatment significantly enhances intestinal glucose uptake in patients with type 2 diabetes: Results from a randomized clinical trial. <i>Diabetes Research and Clinical Practice</i> , 2017 , 131, 208-216	7.4	39
79	Gyrocardiography: A New Non-invasive Monitoring Method for the Assessment of Cardiac Mechanics and the Estimation of Hemodynamic Variables. <i>Scientific Reports</i> , 2017 , 7, 6823	4.9	61
78	Frequency and angiographic characteristics of coronary microvascular dysfunction in stable angina: a hybrid imaging study. <i>European Heart Journal Cardiovascular Imaging</i> , 2017 , 18, 1206-1213	4.1	15

77	Inhaled Xenon Attenuates Myocardial Damage in Comatose Survivors of Out-of-Hospital Cardiac Arrest: The Xe-Hypotheca Trial. <i>Journal of the American College of Cardiology</i> , 2017 , 70, 2652-2660	15.1	24
76	Accuracy of echocardiographic area-length method in chronic myocardial infarction: comparison with cardiac CT in pigs. <i>Cardiovascular Ultrasound</i> , 2017 , 15, 1	2.4	8
75	Imaging of α 5 β 1 Integrin expression in experimental myocardial ischemia with [Ga]NODAGA-RGD positron emission tomography. <i>Journal of Translational Medicine</i> , 2017 , 15, 144	8.5	15
74	Cardiac autophagic vacuolation in severe X-linked myopathy with excessive autophagy. <i>Neuromuscular Disorders</i> , 2017 , 27, 185-187	2.9	18
73	18-kDa translocator protein ligand F-FEMPA: Biodistribution and uptake into atherosclerotic plaques in mice. <i>Journal of Nuclear Cardiology</i> , 2017 , 24, 862-871	2.1	30
72	A Novel Positron Emission Tomography (PET) Approach to Monitor Cardiac Metabolic Pathway Remodeling in Response to Sunitinib Malate. <i>PLoS ONE</i> , 2017 , 12, e0169964	3.7	16
71	Comparison of Somatostatin Receptor 2-Targeting PET Tracers in the Detection of Mouse Atherosclerotic Plaques. <i>Molecular Imaging and Biology</i> , 2016 , 18, 99-108	3.8	40
70	Intramyocardial Gene Therapy Directed to Hibernating Heart Muscle Using a Combination of Electromechanical Mapping and Positron Emission Tomography. <i>Human Gene Therapy</i> , 2016 , 27, 830-834	4.8	13
69	Type 2 diabetes enhances arterial uptake of choline in atherosclerotic mice: an imaging study with positron emission tomography tracer 3 H-fluoromethylcholine. <i>Cardiovascular Diabetology</i> , 2016 , 15, 26	8.7	19
68	Effect of levosimendan therapy on myocardial infarct size and left ventricular function after acute coronary occlusion. <i>Heart</i> , 2016 , 102, 465-71	5.1	6
67	Childhood Psychosocial Factors and Coronary Artery Calcification in Adulthood: The Cardiovascular Risk in Young Finns Study. <i>JAMA Pediatrics</i> , 2016 , 170, 466-72	8.3	22
66	Two-Dimensional Speckle-Tracking during Dobutamine Stress Echocardiography in the Detection of Myocardial Ischemia in Patients with Suspected Coronary Artery Disease. <i>Journal of the American Society of Echocardiography</i> , 2016 , 29, 470-479.e3	5.8	39
65	Effect of Inhaled Xenon on Cerebral White Matter Damage in Comatose Survivors of Out-of-Hospital Cardiac Arrest: A Randomized Clinical Trial. <i>JAMA - Journal of the American Medical Association</i> , 2016 , 315, 1120-8	27.4	70
64	Synthesis and In Vivo PET Imaging of Hyaluronan Conjugates of Oligonucleotides. <i>Bioconjugate Chemistry</i> , 2016 , 27, 391-403	6.3	14
63	MEMS gating: A new dual gating technique for eliminating motion-related inaccuracies in PET imaging 2016 ,		1
62	Systemic Dosing of Thymosin Beta 4 before and after Ischemia Does Not Attenuate Global Myocardial Ischemia-Reperfusion Injury in Pigs. <i>Frontiers in Pharmacology</i> , 2016 , 7, 115	5.6	7
61	AdVEGF-B186 and AdVEGF-D Δ 1 induce angiogenesis and increase perfusion in porcine myocardium. <i>Heart</i> , 2016 , 102, 1716-1720	5.1	20
60	Multimodality Imaging in the Assessment of the Physiological Significance of Myocardial Bridging. <i>Current Cardiology Reports</i> , 2016 , 18, 2	4.2	2

59	Influence of triple disease modifying anti-rheumatic drug therapy on carotid artery inflammation in drug-naive patients with recent onset of rheumatoid arthritis. <i>Rheumatology</i> , 2016 , 55, 1777-85	3.9	7
58	Life-course risk factor levels and coronary artery calcification. The Cardiovascular Risk in Young Finns Study. <i>International Journal of Cardiology</i> , 2016 , 225, 23-29	3.2	13
57	Incidence of persistent renal dysfunction after contrast enhanced coronary CT angiography in patients with suspected coronary artery disease. <i>International Journal of Cardiovascular Imaging</i> , 2016 , 32, 1567-75	2.5	8
56	The Functional Effects of Intramural Course of Coronary Arteries and its Relation to Coronary Atherosclerosis. <i>JACC: Cardiovascular Imaging</i> , 2015 , 8, 697-704	8.4	30
55	No cardiomyopathy in X-linked myopathy with excessive autophagy. <i>Neuromuscular Disorders</i> , 2015 , 25, 485-7	2.9	11
54	Cardiac remodeling in a new pig model of chronic heart failure: Assessment of left ventricular functional, metabolic, and structural changes using PET, CT, and echocardiography. <i>Journal of Nuclear Cardiology</i> , 2015 , 22, 655-65	2.1	15
53	Relative flow reserve derived from quantitative perfusion imaging may not outperform stress myocardial blood flow for identification of hemodynamically significant coronary artery disease. <i>Circulation: Cardiovascular Imaging</i> , 2015 , 8,	3.9	50
52	The year 2014 in the European Heart Journal--Cardiovascular Imaging: part II. <i>European Heart Journal Cardiovascular Imaging</i> , 2015 , 16, 1180-4	4.1	2
51	[18F]FDG Accumulation in Early Coronary Atherosclerotic Lesions in Pigs. <i>PLoS ONE</i> , 2015 , 10, e0131332	3.7	4
50	Effect of spinal cord stimulation on myocardial perfusion reserve in patients with refractory angina pectoris. <i>European Heart Journal Cardiovascular Imaging</i> , 2015 , 16, 449-55	4.1	15
49	Coronary heart disease risk factors, coronary artery calcification and epicardial fat volume in the Young Finns Study. <i>European Heart Journal Cardiovascular Imaging</i> , 2015 , 16, 1256-63	4.1	19
48	The year 2014 in the European Heart Journal [Cardiovascular Imaging. Part I. <i>European Heart Journal Cardiovascular Imaging</i> , 2015 , 16, 712-8	4.1	4
47	Dynamic perfusion CT: what is normal myocardial blood flow?. <i>European Heart Journal Cardiovascular Imaging</i> , 2015 , 16, 288-9	4.1	3
46	Absolute flow or myocardial flow reserve for the detection of significant coronary artery disease?. <i>European Heart Journal Cardiovascular Imaging</i> , 2014 , 15, 659-65	4.1	46
45	PET/CT imaging of integrin $\alpha_5\beta_1$ expression in human carotid atherosclerosis. <i>JACC: Cardiovascular Imaging</i> , 2014 , 7, 178-87	8.4	116
44	[18F]fluorodeoxyglucose uptake in atherosclerotic plaques is associated with reduced coronary flow reserve in mice. <i>Journal of Ultrasound in Medicine</i> , 2014 , 33, 1941-8	2.9	1
43	Dimeric [(68)Ga]DOTA-RGD peptide targeting $\alpha_5\beta_1$ integrin reveals extracellular matrix alterations after myocardial infarction. <i>Molecular Imaging and Biology</i> , 2014 , 16, 793-801	3.8	21
42	Quantitative assessment of myocardial perfusion in the detection of significant coronary artery disease: cutoff values and diagnostic accuracy of quantitative [(15)O]H ₂ O PET imaging. <i>Journal of the American College of Cardiology</i> , 2014 , 64, 1464-75	15.1	165

41	The year 2013 in the European Heart Journal--Cardiovascular Imaging. Part I. <i>European Heart Journal Cardiovascular Imaging</i> , 2014 , 15, 730-5	4.1	2
40	Pharmacological activation of the melanocortin system limits plaque inflammation and ameliorates vascular dysfunction in atherosclerotic mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014 , 34, 1346-54	9.4	18
39	Paint it black: and seal with a disk. <i>European Heart Journal</i> , 2014 , 35, 1234	9.5	0
38	2014 ESC/ESA Guidelines on non-cardiac surgery: cardiovascular assessment and management: The Joint Task Force on non-cardiac surgery: cardiovascular assessment and management of the European Society of Cardiology (ESC) and the European Society of Anaesthesiology (ESA). <i>European Heart Journal</i> , 2014 , 35, 2383-431	9.5	849
37	The year 2013 in the European Heart Journal--Cardiovascular Imaging: Part II. <i>European Heart Journal Cardiovascular Imaging</i> , 2014 , 15, 837-41	4.1	2
36	Assessment of blood flow with (68)Ga-DOTA PET in experimental inflammation: a validation study using (15)O-water. <i>American Journal of Nuclear Medicine and Molecular Imaging</i> , 2014 , 4, 571-9	2.2	8
35	Cardiac hypertrophy and oxidative metabolism in novel congenic leptin receptor deficient BBDR.cg-lepr.cp rats (1155.10). <i>FASEB Journal</i> , 2014 , 28, 1155.10	0.9	0
34	β-Melanocyte-stimulating hormone regulates vascular NO availability and protects against endothelial dysfunction. <i>Cardiovascular Research</i> , 2013 , 97, 360-8	9.9	18
33	The bottleneck stent model for chronic myocardial ischemia and heart failure in pigs. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2013 , 305, H1297-308	5.2	25
32	Cardiac PET, CT, and MR: what are the advantages of hybrid imaging?. <i>Current Cardiology Reports</i> , 2012 , 14, 24-31	4.2	15
31	Impaired ATP-induced coronary blood flow and diminished aortic NTPDase activity precede lesion formation in apolipoprotein E-deficient mice. <i>American Journal of Pathology</i> , 2012 , 180, 419-28	5.8	27
30	PET: Is myocardial flow quantification a clinical reality?. <i>Journal of Nuclear Cardiology</i> , 2012 , 19, 1044-59	2.1	56
29	Reply to Letter to the Editor (JNC-12-151-LE) regarding PET: Is myocardial flow quantification a clinical reality?. <i>Journal of Nuclear Cardiology</i> , 2012 , 19, 1245-1245	2.1	
28	Cardiac Function, Perfusion, Metabolism, and Innervation following Autologous Stem Cell Therapy for Acute ST-Elevation Myocardial Infarction. A FINCELL-INSIGHT Sub-Study with PET and MRI. <i>Frontiers in Physiology</i> , 2012 , 3, 6	4.6	12
27	Intracoronary Levosimendan during Ischemia Prevents Myocardial Apoptosis. <i>Frontiers in Physiology</i> , 2012 , 3, 17	4.6	8
26	Diet intervention reduces uptake of αβ integrin-targeted PET tracer 18F-galacto-RGD in mouse atherosclerotic plaques. <i>Journal of Nuclear Cardiology</i> , 2012 , 19, 775-84	2.1	26
25	Molecular imaging of early αβ integrin expression predicts long-term left-ventricle remodeling after myocardial infarction in rats. <i>Journal of Nuclear Medicine</i> , 2012 , 53, 318-23	8.9	53
24	Cardiac hybrid imaging. <i>European Heart Journal Cardiovascular Imaging</i> , 2012 , 13, 51-60	4.1	35

23	Effects of age, diet, and type 2 diabetes on the development and FDG uptake of atherosclerotic plaques. <i>JACC: Cardiovascular Imaging</i> , 2011 , 4, 1294-301	8.4	37
22	Novel F-18-labeled PET myocardial perfusion tracers: bench to bedside. <i>Current Cardiology Reports</i> , 2011 , 13, 145-50	4.2	18
21	Intrapericardial, but not extrapericardial, fat is an independent predictor of impaired hyperemic coronary perfusion in coronary artery disease. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011 , 31, 211-8	9.4	26
20	Clinical value of absolute quantification of myocardial perfusion with (15)O-water in coronary artery disease. <i>Circulation: Cardiovascular Imaging</i> , 2011 , 4, 678-84	3.9	129
19	Detection of hypoxia by [18F]EF5 in atherosclerotic plaques in mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011 , 31, 1011-5	9.4	33
18	Simplified quantification of myocardial flow reserve with flurpiridaz F 18: validation with microspheres in a pig model. <i>Journal of Nuclear Medicine</i> , 2011 , 52, 617-24	8.9	58
17	Mice with tissue inhibitor of metalloproteinases 4 (Timp4) deletion succumb to induced myocardial infarction but not to cardiac pressure overload. <i>Journal of Biological Chemistry</i> , 2010 , 285, 24487-93	5.4	68
16	Evaluation of alphavbeta3 integrin-targeted positron emission tomography tracer 18F-galacto-RGD for imaging of vascular inflammation in atherosclerotic mice. <i>Circulation: Cardiovascular Imaging</i> , 2009 , 2, 331-8	3.9	127
15	Evaluation of a novel (18)F-labeled positron-emission tomography perfusion tracer for the assessment of myocardial infarct size in rats. <i>Circulation: Cardiovascular Imaging</i> , 2009 , 2, 77-84	3.9	47
14	Severe coronary artery stenoses and reduced coronary flow velocity reserve in atherosclerotic mouse model: Doppler echocardiography validation study. <i>Atherosclerosis</i> , 2008 , 200, 89-94	3.1	15
13	Contrast-enhanced magnetic resonance imaging in the assessment of myocardial infarction and viability. <i>Journal of Nuclear Cardiology</i> , 2008 , 15, 105-17	2.1	42
12	Coronary artery flow velocity profile measured by transthoracic Doppler echocardiography predicts myocardial viability after acute myocardial infarction. <i>Heart</i> , 2007 , 93, 456-7	5.1	14
11	Cardiomyocyte apoptosis and duration of aortic clamping in pig model of open heart surgery. <i>European Journal of Cardio-thoracic Surgery</i> , 2006 , 30, 480-4	3	6
10	Coronary flow reserve and heart failure in experimental coxsackievirus myocarditis. A transthoracic Doppler echocardiography study. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2006 , 291, H871-5	5.2	33
9	Transthoracic Doppler echocardiography as a noninvasive tool to assess coronary artery stenoses--a comparison with quantitative coronary angiography. <i>Journal of the American Society of Echocardiography</i> , 2005 , 18, 679-85	5.8	43
8	Apoptotic cardiomyocyte death in fatal myocarditis. <i>American Journal of Cardiology</i> , 2004 , 94, 746-50	3	50
7	Cardiomyocyte apoptosis in experimental coxsackievirus B3 myocarditis. <i>Cardiovascular Pathology</i> , 2003 , 12, 255-62	3.8	71
6	Cardiomyocyte apoptosis after antiviral WIN 54954 treatment in murine coxsackievirus B3 myocarditis. <i>Scandinavian Cardiovascular Journal</i> , 2002 , 36, 187-92	2	14

5	Soluble tumor necrosis factor receptor levels identify a subgroup of heart failure patients with increased cardiomyocyte apoptosis. <i>Clinica Chimica Acta</i> , 2002 , 320, 65-7	6.2	10
4	Stimulated expression of cyclooxygenase-2 in porcine heart after bypass circulation and cardioplegic arrest. <i>European Journal of Cardio-thoracic Surgery</i> , 2001 , 20, 992-5	3	2
3	Adenosine in myocardial protection given through three windows of opportunity. An experimental study with pigs. <i>Scandinavian Cardiovascular Journal</i> , 2001 , 35, 409-14	2	8
2	Morphologic criteria and detection of apoptosis. <i>Herz</i> , 1999 , 24, 189-95	2.6	206
1	Apoptosis in human acute myocardial infarction. <i>Circulation</i> , 1997 , 95, 320-3	16.7	539