Piotr J Slomka

List of Publications by Year
in descending order

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372	17,975	13099	20961
papers	citations	68 h-index	115 g-index

381	381	381	10023
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Aortic 18F-sodium fluoride imaging. Journal of Nuclear Cardiology, 2023, 30, 811-813.	2.1	0
2	External validation of the CRAX2MACE model. Journal of Nuclear Cardiology, 2023, 30, 702-707.	2.1	5
3	Development and validation of ischemia risk scores. Journal of Nuclear Cardiology, 2023, 30, 324-334.	2.1	3
4	Automated nonlinear registration of coronary PET to CT angiography using pseudo-CT generated from PET with generative adversarial networks. Journal of Nuclear Cardiology, 2023, 30, 604-615.	2.1	11
5	Automated quantitative analysis of CZT SPECT stratifies cardiovascular risk in the obese population: Analysis of the REFINE SPECT registry. Journal of Nuclear Cardiology, 2022, 29, 727-736.	2.1	11
6	Quantitative Assessment of Cardiac Hypermetabolism and Perfusion for Diagnosis of Cardiac Sarcoidosis. Journal of Nuclear Cardiology, 2022, 29, 86-96.	2.1	20
7	Observer repeatability and interscan reproducibility of 18F-sodium fluoride coronary microcalcification activity. Journal of Nuclear Cardiology, 2022, 29, 126-135.	2.1	26
8	Respiration-averaged CT versus standard CT attenuation map for correction of 18F-sodium fluoride uptake in coronary atherosclerotic lesions on hybrid PET/CT. Journal of Nuclear Cardiology, 2022, 29, 430-439.	2.1	17
9	Quantifying microcalcification activity in the thoracic aorta. Journal of Nuclear Cardiology, 2022, 29, 1372-1385.	2.1	21
10	Prediction of 2-year major adverse cardiac events from myocardial perfusion scintigraphy and clinical risk factors. Journal of Nuclear Cardiology, 2022, 29, 1956-1963.	2.1	6
11	Machine Learning with ¹⁸F-Sodium Fluoride PET and Quantitative Plaque Analysis on CT Angiography for the Future Risk of Myocardial Infarction. Journal of Nuclear Medicine, 2022, 63, 158-165.	5.0	34
12	Value of semiquantitative assessment of high-risk plaque features on coronary CT angiography over stenosis in selection of studies for FFRct. Journal of Cardiovascular Computed Tomography, 2022, 16, 27-33.	1.3	8
13	Diagnostic safety of a machine learning-based automatic patient selection algorithm for stress-only myocardial perfusion SPECT. Journal of Nuclear Cardiology, 2022, 29, 2295-2307.	2.1	21
14	Clinical Deployment of Explainable Artificial Intelligence of SPECT for Diagnosis of Coronary Artery Disease. JACC: Cardiovascular Imaging, 2022, 15, 1091-1102.	5.3	44
15	Determining a minimum set of variables for machine learning cardiovascular event prediction: results from REFINE SPECT registry. Cardiovascular Research, 2022, 118, 2152-2164.	3.8	26
16	Artificial intelligence-based attenuation correction; closer to clinical reality?. Journal of Nuclear Cardiology, 2022, 29, 2251-2253.	2.1	7
17	Improving detection accuracy of perfusion defect in standard dose SPECT-myocardial perfusion imaging by deep-learning denoising. Journal of Nuclear Cardiology, 2022, 29, 2340-2349.	2.1	5
18	Association of Myocardial Blood Flow Reserve With Adverse Left Ventricular Remodeling in Patients With Aortic Stenosis. JAMA Cardiology, 2022, 7, 93.	6.1	16

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19	Association of coronary artery calcium score with qualitatively and quantitatively assessed adverse plaque on coronary CT angiography in the SCOT-HEART trial. European Heart Journal Cardiovascular Imaging, 2022, 23, 1210-1221.	1.2	21
20	Prognostic value of early left ventricular ejection fraction reserve during regadenoson stress solid-state SPECT-MPI. Journal of Nuclear Cardiology, 2022, 29, 1219-1230.	2.1	5
21	Quantitative technetium pyrophosphate and cardiovascular magnetic resonance in patients with suspected cardiac amyloidosis. Journal of Nuclear Cardiology, 2022, 29, 2679-2690.	2.1	8
22	Detection of small coronary calcifications in patients with Agatston coronary artery calcium score of zero. Journal of Cardiovascular Computed Tomography, 2022, 16, 150-154.	1.3	7
23	The prevalence and predictors of inducible myocardial ischemia among patients referred for radionuclide stress testing. Journal of Nuclear Cardiology, 2022, 29, 2839-2849.	2.1	7
24	The Evolving Role of Artificial Intelligence in Cardiac Image Analysis. Canadian Journal of Cardiology, 2022, 38, 214-224.	1.7	8
25	Novel Techniques: Solid-State Detectors, Dose Reduction (SPECT/CT). , 2022, , 103-129.		0
26	Nuclear Medicine and Artificial Intelligence: Best Practices for Algorithm Development. Journal of Nuclear Medicine, 2022, 63, 500-510.	5.0	43
27	Artificial Intelligence and Cardiac PET/Computed Tomography Imaging. PET Clinics, 2022, 17, 85-94.	3.0	2
28	Comparison of diabetes to other prognostic predictors among patients referred for cardiac stress testing: A contemporary analysis from the REFINE SPECT Registry. Journal of Nuclear Cardiology, 2022, 29, 3003-3014.	2.1	6
29	18F-GP1 Positron Emission Tomography and Bioprosthetic Aortic Valve Thrombus. JACC: Cardiovascular Imaging, 2022, 15, 1107-1120.	5.3	12
30	Radiomics-Based Precision PhenotypingÂIdentifies Unstable Coronary Plaques From Computed Tomography Angiography. JACC: Cardiovascular Imaging, 2022, 15, 859-871.	5.3	24
31	Aortic valve imaging using 18F-sodium fluoride: impact of triple motion correction. EJNMMI Physics, 2022, 9, 4.	2.7	3
32	The application of artificial intelligence in nuclear cardiology. Annals of Nuclear Medicine, 2022, 36, 111-122.	2.2	9
33	Intramyocardial Hemorrhage and the â€œWave Frontâ€•of Reperfusion Injury Compromising Myocardial Salvage. Journal of the American College of Cardiology, 2022, 79, 35-48.	2.8	38
34	Association of Plaque Location and Vessel Geometry Determined by Coronary Computed Tomographic Angiography With Future Acute Coronary Syndromeâ€“Causing Culprit Lesions. JAMA Cardiology, 2022, 7, 309.	6.1	13
35	Bypass Grafting and Native Coronary Artery Disease Activity. JACC: Cardiovascular Imaging, 2022, 15, 875-887.	5.3	24
36	Prevalence and predictors of automatically quantified myocardial ischemia within a multicenter international registry. Journal of Nuclear Cardiology, 2022, 29, 3221-3232.	2.1	3

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37	Thoracic Aortic 18F-Sodium Fluoride Activity and Ischemic Stroke in Patients With Established Cardiovascular Disease. JACC: Cardiovascular Imaging, 2022, 15, 1274-1288.	5.3	27
38	Future of nuclear cardiology is bright: Promise of cardiac PET/CT and artificial intelligence. Journal of Nuclear Cardiology, 2022, 29, 389-391.	2.1	3
39	Deep learning-enabled coronary CT angiography for plaque and stenosis quantification and cardiac risk prediction: an international multicentre study. The Lancet Digital Health, 2022, 4, e256-e265.	12.3	85
40	Calcium scoring in low-dose ungated chest CT scans using convolutional long-short term memory networks. , 2022, , .		2
41	Handling missing values in machine learning to predict patient-specific risk of adverse cardiac events: Insights from REFINE SPECT registry. Computers in Biology and Medicine, 2022, 145, 105449.	7.0	14
42	Improved myocardial blood flow estimation with residual activity correction and motion correction in 18F-flurpiridaz PET myocardial perfusion imaging. European Journal of Nuclear Medicine and Molecular Imaging, 2022, 49, 1881-1893.	6.4	9
43	Latest Advances in Multimodality Imaging of Aortic Stenosis. Journal of Nuclear Medicine, 2022, 63, 353-358.	5.0	14
44	Relationship between ischaemia, coronary artery calcium scores, and major adverse cardiovascular events. European Heart Journal Cardiovascular Imaging, 2022, 23, 1423-1433.	1.2	16
45	Pericoronary Adipose Tissue Attenuation, Low-Attenuation Plaque Burden, and 5-Year Risk of Myocardial Infarction. JACC: Cardiovascular Imaging, 2022, 15, 1078-1088.	5.3	46
46	Radiomorphological signs and clinical severity of SARS-CoV-2 lineage B.1.1.7. BJR|Open, 2022, 4, .	0.6	1
47	Artificial intelligence for disease diagnosis and risk prediction in nuclear cardiology. Journal of Nuclear Cardiology, 2022, 29, 1754-1762.	2.1	9
48	Explainable Deep Learning Improves Physician Interpretation of Myocardial Perfusion Imaging. Journal of Nuclear Medicine, 2022, , jnumed.121.263686.	5.0	7
49	Hepatosteatosis and Atherosclerotic Plaque at Coronary CT Angiography. Radiology: Cardiothoracic Imaging, 2022, 4, e210260.	2.5	6
50	Theme papers. Journal of Nuclear Cardiology, 2022, 29, 1753.	2.1	0
51	Quantifying sodium [18F]fluoride uptake in abdominal aortic aneurysms. EJNMMI Research, 2022, 12, .	2.5	2
52	¹⁸F-NaF PET/MRI for Detection of Carotid Atheroma in Acute Neurovascular Syndrome. Radiology, 2022, 305, 137-148.	7.3	7
53	Reproducibility of quantitative coronary calcium scoring from PET/CT attenuation maps: comparison to ECG-gated CT scans. European Journal of Nuclear Medicine and Molecular Imaging, 2022, 49, 4122-4132.	6.4	11
54	Plaque Burden and 1-Year Outcomes inÂAcute Chest Pain. JACC: Cardiovascular Imaging, 2022, 15, 1916-1925.	5.3	16

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55	Differences in Prognostic Value of Myocardial Perfusion Single-Photon Emission Computed Tomography Using High-Efficiency Solid-State Detector Between Men and Women in a Large International Multicenter Study. Circulation: Cardiovascular Imaging, 2022, 15, .	2.6	2
56	Machine learning to predict abnormal myocardial perfusion from pre-test features. Journal of Nuclear Cardiology, 2022, 29, 2393-2403.	2.1	7
57	Benefit of Early Revascularization Based on Inducible Ischemia and Left Ventricular Ejection Fraction. Journal of the American College of Cardiology, 2022, 80, 202-215.	2.8	19
58	Do we need dedicated cardiac SPECT systems?. Journal of Nuclear Cardiology, 2021, 28, 1331-1333.	2.1	2
59	Quantification of myocardial blood flow by CZT-SPECT with motion correction and comparison with 15O-water PET. Journal of Nuclear Cardiology, 2021, 28, 1477-1486.	2.1	31
60	Short-term repeatability of myocardial blood flow using 82Rb PET/CT: The effect of arterial input function position and motion correction. Journal of Nuclear Cardiology, 2021, 28, 1718-1725.	2.1	20
61	Myocardial blood flow: Is motion correction necessary?. Journal of Nuclear Cardiology, 2021, 28, 1347-1348.	2.1	0
62	Cardiovascular 18F-fluoride positron emission tomography-magnetic resonance imaging: A comparison study. Journal of Nuclear Cardiology, 2021, 28, 1-12.	2.1	25
63	Survival benefit of coronary revascularization after myocardial perfusion SPECT: The role of ischemia. Journal of Nuclear Cardiology, 2021, 28, 1676-1687.	2.1	11
64	CZT camera systems may provide better risk stratification for low-risk patients. Journal of Nuclear Cardiology, 2021, 28, 2927-2936.	2.1	9
65	Elucidating the pathophysiology of left bundle branch block related perfusion defects. Journal of Nuclear Cardiology, 2021, 28, 2923-2926.	2.1	1
66	Cardiac PET/MR: Are sophisticated attenuation correction techniques necessary for clinical routine assessments?. Journal of Nuclear Cardiology, 2021, 28, 2205-2206.	2.1	0
67	Repeatability of quantitative pericoronary adipose tissue attenuation and coronary plaque burden from coronary CT angiography. Journal of Cardiovascular Computed Tomography, 2021, 15, 81-84.	1.3	35
68	Is SPECT LVEF assessment more accurate than CT at higher heart rates? More evidence for complementary information in multimodality imaging. Journal of Nuclear Cardiology, 2021, 28, 317-319.	2.1	0
69	Prognostically safe stress-only single-photon emission computed tomography myocardial perfusion imaging guided by machine learning: report from REFINE SPECT. European Heart Journal Cardiovascular Imaging, 2021, 22, 705-714.	1.2	38
70	Machine Learning Adds to Clinical and CAC Assessments in Predicting 10-Year CHD and CVD Deaths. JACC: Cardiovascular Imaging, 2021, 14, 615-625.	5.3	52
71	Quantitative clinical nuclear cardiology, part 2: Evolving/emerging applications. Journal of Nuclear Cardiology, 2021, 28, 115-127.	2.1	15
72	Quantitative clinical nuclear cardiology, part 2: Evolving/emerging applications. Journal of Nuclear Medicine, 2021, 62, 168-176.	5.0	5

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73	Machine learning integration of circulating and imaging biomarkers for explainable patient-specific prediction of cardiac events: A prospective study. Atherosclerosis, 2021, 318, 76-82.	0.8	37
74	Non-calcific aortic tissue quantified from computed tomography angiography improves diagnosis and prognostication of patients referred for transcatheter aortic valve implantation. European Heart Journal Cardiovascular Imaging, 2021, 22, 626-635.	1.2	16
75	Epicardial adipose tissue is associated with extent of pneumonia and adverse outcomes in patients with COVID-19. Metabolism: Clinical and Experimental, 2021, 115, 154436.	3.4	48
76	Preprint manuscripts and servers in the era of coronavirus disease 2019. Journal of Evaluation in Clinical Practice, 2021, 27, 16-21.	1.8	26
77	Prediction of revascularization by coronary CT angiography using a machine learning ischemia risk score. European Radiology, 2021, 31, 1227-1235.	4.5	15
78	Beware the pitfalls of beauty: High-quality myocardial images with resolution recovery. Journal of Nuclear Cardiology, 2021, 28, 245-248.	2.1	4
79	Advances in Quantitative Analysis of ¹⁸F-Sodium Fluoride Coronary Imaging. Molecular Imaging, 2021, 2021, 8849429.	1.4	8
80	Artificial Intelligence in Cardiovascular Imaging for Risk Stratification in Coronary Artery Disease. Radiology: Cardiothoracic Imaging, 2021, 3, e200512.	2.5	39
81	Practical Guide for Interpreting and Reporting Cardiac PET Measurements of Myocardial Blood Flow: An Information Statement from the American Society of Nuclear Cardiology, and the Society of Nuclear Medicine and Molecular Imaging. Journal of Nuclear Medicine, 2021, 62, 1599-1615.	5.0	13
82	Quantitation of Poststress Change in Ventricular Morphology Improves Risk Stratification. Journal of Nuclear Medicine, 2021, 62, 1582-1590.	5.0	7
83	Practical guide for interpreting and reporting cardiac PET measurements of myocardial blood flow: an Information Statement from the American Society of Nuclear Cardiology, and the Society of Nuclear Medicine and Molecular Imaging. Journal of Nuclear Cardiology, 2021, 28, 768-787.	2.1	28
84	Artificial intelligence in cardiovascular CT: Current status and future implications. Journal of Cardiovascular Computed Tomography, 2021, 15, 462-469.	1.3	20
85	Diagnostic and prognostic value of Technetium-99m pyrophosphate uptake quantitation for transthyretin cardiac amyloidosis. Journal of Nuclear Cardiology, 2021, 28, 1835-1845.	2.1	27
86	Impact of Early Revascularization on Major Adverse Cardiovascular Events inÂRelation to Automatically QuantifiedÂIschemia. JACC: Cardiovascular Imaging, 2021, 14, 644-653.	5.3	28
87	Position paper of the EACVI and EANM on artificial intelligence applications in multimodality cardiovascular imaging using SPECT/CT, PET/CT, and cardiac CT. European Journal of Nuclear Medicine and Molecular Imaging, 2021, 48, 1399-1413.	6.4	45
88	Clinical Utility of SPECT in the Heart Transplant Population. Transplantation, 2021, Publish Ahead of Print, .	1.0	4
89	155â€…Pericoronary adipose tissue attenuation, low attenuation plaque burden and 5-year risk of myocardial infarction. , 2021, , .		0
90	157â€…18F-sodium fluoride positron emission tomography, aortic disease activity and ischaemic stroke risk. , 2021, , .		0

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91	Impact of train/test sample regimen on performance estimate stability of machine learning in cardiovascular imaging. Scientific Reports, 2021, 11, 14490.	3.3	23
92	Reproducibility of quantitative plaque measurement in advanced coronary artery disease. Journal of Cardiovascular Computed Tomography, 2021, 15, 333-338.	1.3	24
93	Prognostic Value of Phase Analysis for Predicting Adverse Cardiac Events Beyond Conventional Single-Photon Emission Computed Tomography Variables: Results From the REFINE SPECT Registry. Circulation: Cardiovascular Imaging, 2021, 14, e012386.	2.6	13
94	Pericoronary and periaortic adipose tissue density are associated with inflammatory disease activity in Takayasu arteritis and atherosclerosis. European Heart Journal Open, 2021, 1, oeab019.	2.3	15
95	Native Aortic Valve Disease Progression and Bioprosthetic Valve Degeneration in Patients With Transcatheter Aortic Valve Implantation. Circulation, 2021, 144, 1396-1408.	1.6	32
96	Sex-Specific Computed Tomography Coronary Plaque Characterization and Risk of Myocardial Infarction. JACC: Cardiovascular Imaging, 2021, 14, 1804-1814.	5.3	28
97	Assessing Performance of Machine Learning. JAMA Cardiology, 2021, 6, 1465.	6.1	3
98	Metabolic syndrome, fatty liver, and artificial intelligence-based epicardial adipose tissue measures predict long-term risk of cardiac events: a prospective study. Cardiovascular Diabetology, 2021, 20, 27.	6.8	33
99	Contrast-enhanced computed tomography assessment of aortic stenosis. Heart, 2021, 107, 1905-1911.	2.9	32
100	Simulation of Low-Dose Protocols for Myocardial Perfusion ⁸²Rb Imaging. Journal of Nuclear Medicine, 2021, 62, 1112-1117.	5.0	6
101	Noncalcified plaque burden quantified from coronary computed tomography angiography improves prediction of side branch occlusion after main vessel stenting in bifurcation lesions: results from the CT-PRECISION registry. Clinical Research in Cardiology, 2021, 110, 114-123.	3.3	5
102	Evaluation of the effect of reducing administered activity on assessment of function in cardiac gated SPECT. Journal of Nuclear Cardiology, 2020, 27, 562-572.	2.1	6
103	Analytical quantification of aortic valve 18F-sodium fluoride PET uptake. Journal of Nuclear Cardiology, 2020, 27, 962-972.	2.1	32
104	CRAX: A simple cardiovascular risk assessment tool to predict risk of acute myocardial infarction or death. Journal of Nuclear Cardiology, 2020, 27, 2365-2374.	2.1	8
105	Upper reference limits of transient ischemic dilation ratio for different protocols on new-generation cadmium zinc telluride cameras: A report from REFINE SPECT registry. Journal of Nuclear Cardiology, 2020, 27, 1180-1189.	2.1	17
106	Predictors of 18F-sodium fluoride uptake in patients with stable coronary artery disease and adverse plaque features on computed tomography angiography. European Heart Journal Cardiovascular Imaging, 2020, 21, 58-66.	1.2	50
107	Simultaneous Tc-99m PYP/Tl-201 dual-isotope SPECT myocardial imaging in patients with suspected cardiac amyloidosis. Journal of Nuclear Cardiology, 2020, 27, 28-37.	2.1	25
108	Software reproducibility of myocardial blood flow and flow reserve quantification in ischemic heart disease: A 13N-ammonia PET study. Journal of Nuclear Cardiology, 2020, 27, 1225-1233.	2.1	14

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109	Optimization of reconstruction and quantification of motion-corrected coronary PET-CT. Journal of Nuclear Cardiology, 2020, 27, 494-504.	2.1	43
110	Rationale and design of the REgistry of Fast Myocardial Perfusion Imaging with NExt generation SPECT (REFINE SPECT). Journal of Nuclear Cardiology, 2020, 27, 1010-1021.	2.1	74
111	Reply: Clarifying the Utility of Myocardial Blood Flow and Myocardial Flow Reserve After Cardiac Transplantation. Journal of Nuclear Medicine, 2020, 61, 620.2-622.	5.0	0
112	5-Year Prognostic Value of QuantitativeÂVersus Visual MPI in SubtleÂPerfusionÂDefects. JACC: Cardiovascular Imaging, 2020, 13, 774-785.	5.3	70
113	Machine learning predicts per-vessel early coronary revascularization after fast myocardial perfusion SPECT: results from multicentre REFINE SPECT registry. European Heart Journal Cardiovascular Imaging, 2020, 21, 549-559.	1.2	70
114	Comparative Prognostic and Diagnostic Value of Myocardial Blood Flow and Myocardial Flow Reserve After Cardiac Transplantation. Journal of Nuclear Medicine, 2020, 61, 249-255.	5.0	28
115	Quantitative Clinical Nuclear Cardiology, Part 1: Established Applications. Journal of Nuclear Cardiology, 2020, 27, 189-201.	2.1	15
116	Whole-vessel coronary 18F-sodium fluoride PET for assessment of the global coronary microcalcification burden. European Journal of Nuclear Medicine and Molecular Imaging, 2020, 47, 1736-1745.	6.4	50
117	Machine learning to predict the long-term risk of myocardial infarction and cardiac death based on clinical risk, coronary calcium, and epicardial adipose tissue: a prospective study. Cardiovascular Research, 2020, 116, 2216-2225.	3.8	78
118	Vulnerable plaque imaging using ¹⁸F-sodium fluoride positron emission tomography. British Journal of Radiology, 2020, 93, 20190797.	2.2	22
119	Coronary computed tomographyâ€“angiography quantitative plaque analysis improves detection of early cardiac allograft vasculopathy: A pilot study. American Journal of Transplantation, 2020, 20, 1375-1383.	4.7	13
120	Myocardial Ischemic Burden and Differences in Prognosis Among Patients With and Without Diabetes: Results From the Multicenter International REFINE SPECT Registry. Diabetes Care, 2020, 43, 453-459.	8.6	21
121	Quantitative Burden of COVID-19 Pneumonia at Chest CT Predicts Adverse Outcomes: A Post Hoc Analysis of a Prospective International Registry. Radiology: Cardiothoracic Imaging, 2020, 2, e200389.	2.5	32
122	Proposed Requirements for Cardiovascular Imaging-Related Machine Learning Evaluation (PRIME): A Checklist. JACC: Cardiovascular Imaging, 2020, 13, 2017-2035.	5.3	123
123	Response to the letter to the editor: Lassen et al. 3D PET/CT 82Rb PET myocardial blood flow quantification: comparison of half-dose and full-dose protocols. European Journal of Nuclear Medicine and Molecular Imaging, 2020, 47, 2731-2732.	6.4	0
124	Coronary ¹⁸ F-Fluoride Uptake and Progression of Coronary Artery Calcification. Circulation: Cardiovascular Imaging, 2020, 13, e011438.	2.6	43
125	Coronary 18F-Sodium Fluoride Uptake Predicts Outcomes in Patients With Coronary Artery Disease. Journal of the American College of Cardiology, 2020, 75, 3061-3074.	2.8	100
126	Artificial intelligence: improving the efficiency of cardiovascular imaging. Expert Review of Medical Devices, 2020, 17, 565-577.	2.8	20

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127	18F-SODIUM FLUORIDE CORONARY UPTAKE PREDICTS MYOCARDIAL INFARCTIONS IN PATIENTS WITH KNOWN CORONARY ARTERY DISEASE. Journal of the American College of Cardiology, 2020, 75, 3667.	2.8	5
128	PET-derived bone information from 18F-sodium fluoride: A perfect match for whole-body PET/MR attenuation correction?. Journal of Nuclear Cardiology, 2020, 27, 1142-1144.	2.1	0
129	Low-Attenuation Noncalcified Plaque on Coronary Computed Tomography Angiography Predicts Myocardial Infarction. Circulation, 2020, 141, 1452-1462.	1.6	348
130	Heart Rateâ^'Independent 3D Myocardial Blood Oxygen Levelâ^'Dependent MRI at 3.0 T with Simultaneous ¹³Nâ^'Ammonia PET Validation. Radiology, 2020, 295, 82-93.	7.3	10
131	3D PET/CT 82Rb PET myocardial blood flow quantification: comparison of half-dose and full-dose protocols. European Journal of Nuclear Medicine and Molecular Imaging, 2020, 47, 3084-3093.	6.4	10
132	Taking pigeons to heart: Birds proficiently diagnose human cardiac disease. Learning and Behavior, 2020, 48, 9-21.	1.0	4
133	Deep Learningâ€"Based Quantification of Epicardial Adipose Tissue Volume and Attenuation Predicts Major Adverse Cardiovascular Events in Asymptomatic Subjects. Circulation: Cardiovascular Imaging, 2020, 13, e009829.	2.6	77
134	Prognostic significance of previous myocardial infarction and previous revascularization in patients undergoing SPECT MPI. International Journal of Cardiology, 2020, 313, 9-15.	1.7	19
135	Transient ischaemic dilation and post-stress wall motion abnormality increase risk in patients with less than moderate ischaemia: analysis of the REFINE SPECT registry. European Heart Journal Cardiovascular Imaging, 2020, 21, 567-575.	1.2	21
136	Myocardial Infarction Associates With a Distinct Pericoronary Adipose Tissue Radiomic Phenotype. JACC: Cardiovascular Imaging, 2020, 13, 2371-2383.	5.3	86
137	Application and Translation of Artificial Intelligence to Cardiovascular Imaging in Nuclear Medicine and Noncontrast CT. Seminars in Nuclear Medicine, 2020, 50, 357-366.	4.6	23
138	Clinical applications of machine learning in cardiovascular disease and its relevance to cardiac imaging. European Heart Journal, 2019, 40, 1975-1986.	2.2	327
139	Improving perfusion defect detection with respiratory motion correction in cardiac SPECT at standard and reduced doses. Journal of Nuclear Cardiology, 2019, 26, 1526-1538.	2.1	4
140	Triple-gated motion and blood pool clearance corrections improve reproducibility of coronary 18F-NaF PET. European Journal of Nuclear Medicine and Molecular Imaging, 2019, 46, 2610-2620.	6.4	45
141	Solid-State Detector SPECT Myocardial Perfusion Imaging. Journal of Nuclear Medicine, 2019, 60, 1194-1204.	5.0	57
142	Quantitative Clinical Nuclear Cardiology, Part 1: Established Applications. Journal of Nuclear Medicine, 2019, 60, 1507-1516.	5.0	16
143	Selection of abstracts from the scientific sessions of The Society Of Nuclear Medicine and Molecular Imaging annual meeting Anaheim CA. Journal of Nuclear Cardiology, 2019, 26, 1667-1673.	2.1	0
144	Leveraging latest computer science tools to advance nuclear cardiology. Journal of Nuclear Cardiology, 2019, 26, 1501-1504.	2.1	2

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145	Accurate needle-free assessment of myocardial oxygenation for ischemic heart disease in canines using magnetic resonance imaging. Science Translational Medicine, 2019, 11, .	12.4	12
146	Myocardial Blood Flow Quantification With Dynamic Contrast-Enhanced Computed Tomography. Circulation: Cardiovascular Imaging, 2019, 12, e009431.	2.6	1
147	Standardized volumetric plaque quantification and characterization from coronary CT angiography: a head-to-head comparison with invasive intravascular ultrasound. European Radiology, 2019, 29, 6129-6139.	4.5	50
148	Gating Approaches in Cardiac PET Imaging. PET Clinics, 2019, 14, 271-279.	3.0	19
149	Artificial Intelligence in Cardiovascular Imaging. Journal of the American College of Cardiology, 2019, 73, 1317-1335.	2.8	374
150	Decrease in LDL-C is associated with decrease in all components of noncalcified plaque on coronary CTA. Atherosclerosis, 2019, 285, 128-134.	0.8	6
151	Effect of tube potential and luminal contrast attenuation on atherosclerotic plaque attenuation by coronary CT angiography: In vivo comparison with intravascular ultrasound. Journal of Cardiovascular Computed Tomography, 2019, 13, 219-225.	1.3	14
152	Relationship between changes in pericoronary adipose tissue attenuation and coronary plaque burden quantified from coronary computed tomography angiography. European Heart Journal Cardiovascular Imaging, 2019, 20, 636-643.	1.2	129
153	Peri-Coronary Adipose Tissue Density IsÂAssociated With 18F-Sodium Fluoride Coronary Uptake in Stable Patients WithÂHigh-Risk Plaques. JACC: Cardiovascular Imaging, 2019, 12, 2000-2010.	5.3	129
154	Improved Evaluation of Lipid-Rich Plaque at Coronary CT Angiography: Head-to-Head Comparison with Intravascular US. Radiology: Cardiothoracic Imaging, 2019, 1, e190069.	2.5	9
155	Fully Automated CT Quantification of Epicardial Adipose Tissue by Deep Learning: A Multicenter Study. Radiology: Artificial Intelligence, 2019, 1, e190045.	5.8	83
156	Three-Hour Delayed Imaging Improves Assessment of Coronary ¹⁸F-Sodium Fluoride PET. Journal of Nuclear Medicine, 2019, 60, 530-535.	5.0	44
157	Data-Driven Gross Patient Motion Detection and Compensation: Implications for Coronary ¹⁸F-NaF PET Imaging. Journal of Nuclear Medicine, 2019, 60, 830-836.	5.0	39
158	Cardiac motion correction for improving perfusion defect detection in cardiac SPECT at standard and reduced doses of activity. Physics in Medicine and Biology, 2019, 64, 055005.	3.0	7
159	Deep Learning Analysis of Upright-Supine High-Efficiency SPECT Myocardial Perfusion Imaging for Prediction of Obstructive Coronary Artery Disease: A Multicenter Study. Journal of Nuclear Medicine, 2019, 60, 664-670.	5.0	113
160	Making the invisible visible: Phase dyssynchrony has potential as a new prognostic marker. Journal of Nuclear Cardiology, 2019, 26, 298-302.	2.1	9
161	Assessing LV remodeling in nuclear cardiology. Journal of Nuclear Cardiology, 2019, 26, 233-235.	2.1	3
162	Prediction of cardiac death after adenosine myocardial perfusion SPECT based on machine learning. Journal of Nuclear Cardiology, 2019, 26, 1746-1754.	2.1	57

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163	Deep learning-based stenosis quantification from coronary CT angiography. , 2019, 10949, .		27
164	Reasons and implications of agreements and disagreements between coronary flow reserve, fractional flow reserve, and myocardial perfusion imaging. Journal of Nuclear Cardiology, 2018, 25, 104-119.	2.1	16
165	Combined evaluation of regional coronary artery calcium and myocardial perfusion by 82Rb PET/CT in the identification of obstructive coronary artery disease. European Journal of Nuclear Medicine and Molecular Imaging, 2018, 45, 521-529.	6.4	58
166	Deep Learning for Quantification of Epicardial and Thoracic Adipose Tissue From Non-Contrast CT. IEEE Transactions on Medical Imaging, 2018, 37, 1835-1846.	8.9	135
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