# Piotr J Slomka

List of Publications by Year
in descending order

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Version: 2024-02-01

| 372 | 17,975 | 15001 68 | 23841 115 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 381 | 381 | 381 | 10822 |
|---|---|---|---|
| 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. | 1.4 | 0 |
| 2 | External validation of the CRAX2MACE model. Journal of Nuclear Cardiology, 2023, 30, 702-707. | 1.4 | 5 |
| 3 | Development and validation of ischemia risk scores. Journal of Nuclear Cardiology, 2023, 30, 324-334. | 1.4 | 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. | 1.4 | 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. | 1.4 | 11 |
| 6 | Quantitative Assessment of Cardiac Hypermetabolism and Perfusion for Diagnosis of Cardiac Sarcoidosis. Journal of Nuclear Cardiology, 2022, 29, 86-96. | 1.4 | 20 |
| 7 | Observer repeatability and interscan reproducibility of 18F-sodium fluoride coronary microcalcification activity. Journal of Nuclear Cardiology, 2022, 29, 126-135. | 1.4 | 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. | 1.4 | 17 |
| 9 | Quantifying microcalcification activity in the thoracic aorta. Journal of Nuclear Cardiology, 2022, 29, 1372-1385. | 1.4 | 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. | 1.4 | 6 |
| 11 | Machine Learning with <sup>18</sup>F-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. | 2.8 | 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. | 0.7 | 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. | 1.4 | 21 |
| 14 | Clinical Deployment of Explainable Artificial Intelligence of SPECT for Diagnosis of Coronary Artery Disease. JACC: Cardiovascular Imaging, 2022, 15, 1091-1102. | 2.3 | 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. | 1.8 | 26 |
| 16 | Artificial intelligence-based attenuation correction; closer to clinical reality?. Journal of Nuclear Cardiology, 2022, 29, 2251-2253. | 1.4 | 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. | 1.4 | 5 |
| 18 | Association of Myocardial Blood Flow Reserve With Adverse Left Ventricular Remodeling in Patients With Aortic Stenosis. JAMA Cardiology, 2022, 7, 93. | 3.0 | 16 |

| # | Article | IF | Citations |
|---|---|---|---|
| 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. | 0.5 | 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. | 1.4 | 5 |
| 21 | Quantitative technetium pyrophosphate and cardiovascular magnetic resonance in patients with suspected cardiac amyloidosis. Journal of Nuclear Cardiology, 2022, 29, 2679-2690. | 1.4 | 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. | 0.7 | 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. | 1.4 | 7 |
| 24 | The Evolving Role of Artificial Intelligence in Cardiac Image Analysis. Canadian Journal of Cardiology, 2022, 38, 214-224. | 0.8 | 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. | 2.8 | 43 |
| 27 | Artificial Intelligence and Cardiac PET/Computed Tomography Imaging. PET Clinics, 2022, 17, 85-94. | 1.5 | 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. | 1.4 | 6 |
| 29 | 18F-GP1 Positron Emission Tomography and Bioprosthetic Aortic Valve Thrombus. JACC: Cardiovascular Imaging, 2022, 15, 1107-1120. | 2.3 | 12 |
| 30 | Radiomics-Based Precision PhenotypingÂIdentifies Unstable Coronary Plaques From Computed Tomography Angiography. JACC: Cardiovascular Imaging, 2022, 15, 859-871. | 2.3 | 24 |
| 31 | Aortic valve imaging using 18F-sodium fluoride: impact of triple motion correction. EJNMMI Physics, 2022, 9, 4. | 1.3 | 3 |
| 32 | The application of artificial intelligence in nuclear cardiology. Annals of Nuclear Medicine, 2022, 36, 111-122. | 1.2 | 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. | 1.2 | 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. | 3.0 | 13 |
| 35 | Bypass Grafting and Native Coronary Artery Disease Activity. JACC: Cardiovascular Imaging, 2022, 15, 875-887. | 2.3 | 24 |
| 36 | Prevalence and predictors of automatically quantified myocardial ischemia within a multicenter international registry. Journal of Nuclear Cardiology, 2022, 29, 3221-3232. | 1.4 | 3 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Thoracic Aortic 18F-Sodium Fluoride Activity and Ischemic Stroke in Patients With Established Cardiovascular Disease. JACC: Cardiovascular Imaging, 2022, 15, 1274-1288. | 2.3 | 27 |
| 38 | Future of nuclear cardiology is bright: Promise of cardiac PET/CT and artificial intelligence. Journal of Nuclear Cardiology, 2022, 29, 389-391. | 1.4 | 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. | 5.9 | 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. | 3.9 | 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. | 3.3 | 9 |
| 43 | Latest Advances in Multimodality Imaging of Aortic Stenosis. Journal of Nuclear Medicine, 2022, 63, 353-358. | 2.8 | 14 |
| 44 | Relationship between ischaemia, coronary artery calcium scores, and major adverse cardiovascular events. European Heart Journal Cardiovascular Imaging, 2022, 23, 1423-1433. | 0.5 | 16 |
| 45 | Pericoronary Adipose Tissue Attenuation, Low-Attenuation Plaque Burden, and 5-Year Risk of Myocardial Infarction. JACC: Cardiovascular Imaging, 2022, 15, 1078-1088. | 2.3 | 46 |
| 46 | Radiomorphological signs and clinical severity of SARS-CoV-2 lineage B.1.1.7. BJR\|Open, 2022, 4, . | 0.4 | 1 |
| 47 | Artificial intelligence for disease diagnosis and risk prediction in nuclear cardiology. Journal of Nuclear Cardiology, 2022, 29, 1754-1762. | 1.4 | 9 |
| 48 | Explainable Deep Learning Improves Physician Interpretation of Myocardial Perfusion Imaging. Journal of Nuclear Medicine, 2022, , jnumed.121.263686. | 2.8 | 7 |
| 49 | Hepatosteatosis and Atherosclerotic Plaque at Coronary CT Angiography. Radiology: Cardiothoracic Imaging, 2022, 4, e210260. | 0.9 | 6 |
| 50 | Theme papers. Journal of Nuclear Cardiology, 2022, 29, 1753. | 1.4 | 0 |
| 51 | Quantifying sodium [18F]fluoride uptake in abdominal aortic aneurysms. EJNMMI Research, 2022, 12, . | 1.1 | 2 |
| 52 | <sup>18</sup>F-NaF PET/MRI for Detection of Carotid Atheroma in Acute Neurovascular Syndrome. Radiology, 2022, 305, 137-148. | 3.6 | 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. | 3.3 | 11 |
| 54 | Plaque Burden and 1-Year Outcomes inÂAcute Chest Pain. JACC: Cardiovascular Imaging, 2022, 15, 1916-1925. | 2.3 | 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, . | 1.3 | 2 |
| 56 | Machine learning to predict abnormal myocardial perfusion from pre-test features. Journal of Nuclear Cardiology, 2022, 29, 2393-2403. | 1.4 | 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. | 1.2 | 19 |
| 58 | Do we need dedicated cardiac SPECT systems?. Journal of Nuclear Cardiology, 2021, 28, 1331-1333. | 1.4 | 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. | 1.4 | 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. | 1.4 | 20 |
| 61 | Myocardial blood flow: Is motion correction necessary?. Journal of Nuclear Cardiology, 2021, 28, 1347-1348. | 1.4 | 0 |
| 62 | Cardiovascular 18F-fluoride positron emission tomography-magnetic resonance imaging: A comparison study. Journal of Nuclear Cardiology, 2021, 28, 1-12. | 1.4 | 25 |
| 63 | Survival benefit of coronary revascularization after myocardial perfusion SPECT: The role of ischemia. Journal of Nuclear Cardiology, 2021, 28, 1676-1687. | 1.4 | 11 |
| 64 | CZT camera systems may provide better risk stratification for low-risk patients. Journal of Nuclear Cardiology, 2021, 28, 2927-2936. | 1.4 | 9 |
| 65 | Elucidating the pathophysiology of left bundle branch block related perfusion defects. Journal of Nuclear Cardiology, 2021, 28, 2923-2926. | 1.4 | 1 |
| 66 | Cardiac PET/MR: Are sophisticated attenuation correction techniques necessary for clinical routine assessments?. Journal of Nuclear Cardiology, 2021, 28, 2205-2206. | 1.4 | 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. | 0.7 | 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. | 1.4 | 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. | 0.5 | 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. | 2.3 | 52 |
| 71 | Quantitative clinical nuclear cardiology, part 2: Evolving/emerging applications. Journal of Nuclear Cardiology, 2021, 28, 115-127. | 1.4 | 15 |
| 72 | Quantitative clinical nuclear cardiology, part 2: Evolving/emerging applications. Journal of Nuclear Medicine, 2021, 62, 168-176. | 2.8 | 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. | 0.4 | 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. | 0.5 | 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. | 1.5 | 48 |
| 76 | Preprint manuscripts and servers in the era of coronavirus disease 2019. Journal of Evaluation in Clinical Practice, 2021, 27, 16-21. | 0.9 | 26 |
| 77 | Prediction of revascularization by coronary CT angiography using a machine learning ischemia risk score. European Radiology, 2021, 31, 1227-1235. | 2.3 | 15 |
| 78 | Beware the pitfalls of beauty: High-quality myocardial images with resolution recovery. Journal of Nuclear Cardiology, 2021, 28, 245-248. | 1.4 | 4 |
| 79 | Advances in Quantitative Analysis of <sup>18</sup>F-Sodium Fluoride Coronary Imaging. Molecular Imaging, 2021, 2021, 8849429. | 0.7 | 8 |
| 80 | Artificial Intelligence in Cardiovascular Imaging for Risk Stratification in Coronary Artery Disease. Radiology: Cardiothoracic Imaging, 2021, 3, e200512. | 0.9 | 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. | 2.8 | 13 |
| 82 | Quantitation of Poststress Change in Ventricular Morphology Improves Risk Stratification. Journal of Nuclear Medicine, 2021, 62, 1582-1590. | 2.8 | 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. | 1.4 | 28 |
| 84 | Artificial intelligence in cardiovascular CT: Current status and future implications. Journal of Cardiovascular Computed Tomography, 2021, 15, 462-469. | 0.7 | 20 |
| 85 | Diagnostic and prognostic value of Technetium-99m pyrophosphate uptake quantitation for transthyretin cardiac amyloidosis. Journal of Nuclear Cardiology, 2021, 28, 1835-1845. | 1.4 | 27 |
| 86 | Impact of Early Revascularization on Major Adverse Cardiovascular Events inÂRelation to Automatically QuantifiedÂIschemia. JACC: Cardiovascular Imaging, 2021, 14, 644-653. | 2.3 | 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. | 3.3 | 45 |
| 88 | Clinical Utility of SPECT in the Heart Transplant Population. Transplantation, 2021, Publish Ahead of Print, . | 0.5 | 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. | 1.6 | 23 |
| 92 | Reproducibility of quantitative plaque measurement in advanced coronary artery disease. Journal of Cardiovascular Computed Tomography, 2021, 15, 333-338. | 0.7 | 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. | 1.3 | 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. | 0.9 | 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. | 2.3 | 28 |
| 97 | Assessing Performance of Machine Learning. JAMA Cardiology, 2021, 6, 1465. | 3.0 | 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. | 2.7 | 33 |
| 99 | Contrast-enhanced computed tomography assessment of aortic stenosis. Heart, 2021, 107, 1905-1911. | 1.2 | 32 |
| 100 | Simulation of Low-Dose Protocols for Myocardial Perfusion <sup>82</sup>Rb Imaging. Journal of Nuclear Medicine, 2021, 62, 1112-1117. | 2.8 | 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. | 1.5 | 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. | 1.4 | 6 |
| 103 | Analytical quantification of aortic valve 18F-sodium fluoride PET uptake. Journal of Nuclear Cardiology, 2020, 27, 962-972. | 1.4 | 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. | 1.4 | 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. | 1.4 | 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. | 0.5 | 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. | 1.4 | 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. | 1.4 | 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. | 1.4 | 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. | 1.4 | 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. | 2.8 | 0 |
| 112 | 5-Year Prognostic Value of QuantitativeÂVersus Visual MPI in SubtleÂPerfusionÂDefects. JACC: Cardiovascular Imaging, 2020, 13, 774-785. | 2.3 | 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. | 0.5 | 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. | 2.8 | 28 |
| 115 | Quantitative Clinical Nuclear Cardiology, Part 1: Established Applications. Journal of Nuclear Cardiology, 2020, 27, 189-201. | 1.4 | 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. | 3.3 | 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. | 1.8 | 78 |
| 118 | Vulnerable plaque imaging using <sup>18</sup>F-sodium fluoride positron emission tomography. British Journal of Radiology, 2020, 93, 20190797. | 1.0 | 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. | 2.6 | 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. | 4.3 | 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. | 0.9 | 32 |
| 122 | Proposed Requirements for Cardiovascular Imaging-Related Machine Learning Evaluation (PRIME): A Checklist. JACC: Cardiovascular Imaging, 2020, 13, 2017-2035. | 2.3 | 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. | 3.3 | 0 |
| 124 | Coronary <sup>18</sup> F-Fluoride Uptake and Progression of Coronary Artery Calcification. Circulation: Cardiovascular Imaging, 2020, 13, e011438. | 1.3 | 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. | 1.2 | 100 |
| 126 | Artificial intelligence: improving the efficiency of cardiovascular imaging. Expert Review of Medical Devices, 2020, 17, 565-577. | 1.4 | 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. | 1.2 | 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. | 1.4 | 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 <sup>13</sup>Nâ^'Ammonia PET Validation. Radiology, 2020, 295, 82-93. | 3.6 | 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. | 3.3 | 10 |
| 132 | Taking pigeons to heart: Birds proficiently diagnose human cardiac disease. Learning and Behavior, 2020, 48, 9-21. | 0.5 | 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. | 1.3 | 77 |
| 134 | Prognostic significance of previous myocardial infarction and previous revascularization in patients undergoing SPECT MPI. International Journal of Cardiology, 2020, 313, 9-15. | 0.8 | 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. | 0.5 | 21 |
| 136 | Myocardial Infarction Associates With a Distinct Pericoronary Adipose Tissue Radiomic Phenotype. JACC: Cardiovascular Imaging, 2020, 13, 2371-2383. | 2.3 | 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. | 2.5 | 23 |
| 138 | Clinical applications of machine learning in cardiovascular disease and its relevance to cardiac imaging. European Heart Journal, 2019, 40, 1975-1986. | 1.0 | 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. | 1.4 | 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. | 3.3 | 45 |
| 141 | Solid-State Detector SPECT Myocardial Perfusion Imaging. Journal of Nuclear Medicine, 2019, 60, 1194-1204. | 2.8 | 57 |
| 142 | Quantitative Clinical Nuclear Cardiology, Part 1: Established Applications. Journal of Nuclear Medicine, 2019, 60, 1507-1516. | 2.8 | 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. | 1.4 | 0 |
| 144 | Leveraging latest computer science tools to advance nuclear cardiology. Journal of Nuclear Cardiology, 2019, 26, 1501-1504. | 1.4 | 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, . | 5.8 | 12 |
| 146 | Myocardial Blood Flow Quantification With Dynamic Contrast-Enhanced Computed Tomography. Circulation: Cardiovascular Imaging, 2019, 12, e009431. | 1.3 | 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. | 2.3 | 50 |
| 148 | Gating Approaches in Cardiac PET Imaging. PET Clinics, 2019, 14, 271-279. | 1.5 | 19 |
| 149 | Artificial Intelligence in Cardiovascular Imaging. Journal of the American College of Cardiology, 2019, 73, 1317-1335. | 1.2 | 374 |
| 150 | Decrease in LDL-C is associated with decrease in all components of noncalcified plaque on coronary CTA. Atherosclerosis, 2019, 285, 128-134. | 0.4 | 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. | 0.7 | 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. | 0.5 | 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. | 2.3 | 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. | 0.9 | 9 |
| 155 | Fully Automated CT Quantification of Epicardial Adipose Tissue by Deep Learning: A Multicenter Study. Radiology: Artificial Intelligence, 2019, 1, e190045. | 3.0 | 83 |
| 156 | Three-Hour Delayed Imaging Improves Assessment of Coronary <sup>18</sup>F-Sodium Fluoride PET. Journal of Nuclear Medicine, 2019, 60, 530-535. | 2.8 | 44 |
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