

Juhani Knuuti

List of Publications by Year in descending order

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Version: 2024-02-01

678
papers

174,710
citations

1099

112
h-index

42

406
g-index

721
all docs

721
docs citations

721
times ranked

96296
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | 82Rb-PET MPQ: Do normal values exist?. <i>Journal of Nuclear Cardiology</i> , 2022, 29, 474-475. | 2.1 | 3 |
| 2 | Characterization of myocardial oxidative metabolism and myocardial external efficiency in high-risk alcohol cardiotoxicity and alcoholic cardiomyopathy via dynamic 11C-Acetate positron emission tomography. <i>Journal of Nuclear Cardiology</i> , 2022, 29, 278-288. | 2.1 | 9 |
| 3 | Prognostic implications of cardiac damage classification based on computed tomography in severe aortic stenosis. <i>European Heart Journal Cardiovascular Imaging</i> , 2022, 23, 578-585. | 1.2 | 8 |
| 4 | Stress myocardial blood flow and revascularization in chronic coronary artery disease. <i>Journal of Nuclear Cardiology</i> , 2022, 29, 1900-1902. | 2.1 | 0 |
| 5 | Quantitative myocardial perfusion response to adenosine and regadenoson in patients with suspected coronary artery disease. <i>Journal of Nuclear Cardiology</i> , 2022, 29, 24-36. | 2.1 | 8 |
| 6 | Factors for heterogeneous outcomes of angina and myocardial ischemia without obstructive coronary atherosclerosis. <i>Journal of Internal Medicine</i> , 2022, 291, 197-206. | 6.0 | 3 |
| 7 | Sex differences in left ventricular remodelling in patients with severe aortic valve stenosis. <i>European Heart Journal Cardiovascular Imaging</i> , 2022, 23, 781-789. | 1.2 | 5 |
| 8 | Standing time and daily proportion of sedentary time are associated with pain-related disability in a one-month accelerometer measurement in adults with overweight or obesity. <i>Scandinavian Journal of Pain</i> , 2022, 22, 317-324. | 1.3 | 1 |
| 9 | Multimodality imaging in patients with heart failure and preserved ejection fraction: an expert consensus document of the European Association of Cardiovascular Imaging. <i>European Heart Journal Cardiovascular Imaging</i> , 2022, 23, e34-e61. | 1.2 | 140 |
| 10 | Association between cardiorespiratory fitness and metabolic health in overweight and obese adults. <i>Journal of Sports Medicine and Physical Fitness</i> , 2022, 62, . | 0.7 | 3 |
| 11 | Comparison of Pretest Probability Models of Obstructive Coronary Artery Disease. <i>JACC: Cardiovascular Imaging</i> , 2022, 15, 173-175. | 5.3 | 1 |
| 12 | Exploiting Glutamine Consumption in Atherosclerotic Lesions by Positron Emission Tomography Tracer (2S,4R)-4-18F-Fluoroglutamine. <i>Frontiers in Immunology</i> , 2022, 13, 821423. | 4.8 | 1 |
| 13 | Coronary volume to left ventricular mass ratio in patients with diabetes mellitus. <i>Journal of Cardiovascular Computed Tomography</i> , 2022, 16, 319-326. | 1.3 | 3 |
| 14 | Improvement in quantitative myocardial perfusion metrics after revascularization in chronic coronary artery disease. <i>European Heart Journal Cardiovascular Imaging</i> , 2022, 23, 753-754. | 1.2 | 2 |
| 15 | AAV2-VEGF-B gene therapy failed to induce angiogenesis in ischemic porcine myocardium due to inflammatory responses. <i>Gene Therapy</i> , 2022, 29, 643-652. | 4.5 | 7 |
| 16 | Artificial Intelligence to Improve Risk Prediction with Nuclear Cardiac Studies. <i>Current Cardiology Reports</i> , 2022, 24, 307-316. | 2.9 | 4 |
| 17 | Classification of ischemia from myocardial polar maps in 15Oâ€“H2O cardiac perfusion imaging using a convolutional neural network. <i>Scientific Reports</i> , 2022, 12, 2839. | 3.3 | 5 |
| 18 | Converging on the distribution profile of coronary artery disease. <i>European Heart Journal Cardiovascular Imaging</i> , 2022, , . | 1.2 | 0 |

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|----|---|-----|-----------|
| 19 | 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, 32, 5233-5245. | 4.5 | 6 |
| 20 | The Quantity of Epicardial Adipose Tissue in Patients Having Ablation for Atrial Fibrillation With and Without Heart Failure. <i>American Journal of Cardiology</i> , 2022, 172, 54-61. | 1.6 | 3 |
| 21 | Effects of reduced sedentary time on cardiometabolic health in adults with metabolic syndrome: A three-month randomized controlled trial. <i>Journal of Science and Medicine in Sport</i> , 2022, 25, 579-585. | 1.3 | 7 |
| 22 | Prognostic implications of staging cardiac remodeling in patients undergoing cardiac resynchronization therapy. <i>International Journal of Cardiology</i> , 2022, 355, 65-71. | 1.7 | 6 |
| 23 | Oxidative metabolism and cardiac work in different heart failure phenotypes. <i>European Heart Journal Cardiovascular Imaging</i> , 2022, 23, 338-339. | 1.2 | 0 |
| 24 | Detailed behaviour of endothelial wall shear stress across coronary lesions from non-invasive imaging with coronary computed tomography angiography. <i>European Heart Journal Cardiovascular Imaging</i> , 2022, 23, 1708-1716. | 1.2 | 3 |
| 25 | Interaction between sex and left ventricular reverse remodeling and its association with outcomes after transcatheter aortic valve implantation. <i>International Journal of Cardiovascular Imaging</i> , 2022, 38, 1973-1985. | 0.6 | 2 |
| 26 | Implications of the 2021 AHA/ACC/ASE/CHEST/SAEM/SCCT/SCMR Chest Pain Guideline for Cardiovascular Imaging. <i>JACC: Cardiovascular Imaging</i> , 2022, 15, 912-926. | 5.3 | 9 |
| 27 | Comment on Association of guideline-directed medical therapy adherence with outcomes after fractional flow reserve-based deferral of revascularization. <i>European Heart Journal - Cardiovascular Pharmacotherapy</i> , 2022, 8, 609-610. | 3.0 | 1 |
| 28 | Atherosclerotic plaque characteristics on quantitative coronary computed tomography angiography associated with ischemia on positron emission tomography in diabetic patients. <i>International Journal of Cardiovascular Imaging</i> , 2022, 38, 1639-1650. | 0.6 | 0 |
| 29 | Functional stress imaging to predict abnormal coronary fractional flow reserve: the PACIFIC 2 study. <i>European Heart Journal</i> , 2022, 43, 3118-3128. | 2.2 | 26 |
| 30 | Assessment of myocardial viability with [15O]water PET: A validation study in experimental myocardial infarction. <i>Journal of Nuclear Cardiology</i> , 2021, 28, 1271-1280. | 2.1 | 19 |
| 31 | ¹⁸ F-FDG positron emission tomography/computed tomography of cardiac implantable electronic device infections. <i>Journal of Nuclear Cardiology</i> , 2021, 28, 2992-3003. | 2.1 | 13 |
| 32 | Computed tomography coronary angiography for patients with heart failure (CTA-HF): a randomized controlled trial (IMAGE-HF 1C). <i>European Heart Journal Cardiovascular Imaging</i> , 2021, 22, 1083-1090. | 1.2 | 9 |
| 33 | Left ventricular myocardial work in the culprit vessel territory and impact on left ventricular remodelling in patients with ST-segment elevation myocardial infarction after primary percutaneous coronary intervention. <i>European Heart Journal Cardiovascular Imaging</i> , 2021, 22, 339-347. | 1.2 | 23 |
| 34 | Impact of Coronavirus Disease 2019 (COVID-19) Outbreak on Acute Admissions at the Emergency and Cardiology Departments Across Europe. <i>American Journal of Medicine</i> , 2021, 134, 482-489. | 1.5 | 53 |
| 35 | Cardiac Sympathetic Innervation Imaging with PET Radiotracers. <i>Current Cardiology Reports</i> , 2021, 23, 4. | 2.9 | 4 |
| 36 | Global and segmental absolute stress myocardial blood flow in prediction of cardiac events: [15O] water positron emission tomography study. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021, 48, 1434-1444. | 6.4 | 7 |

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|----|--|-----|-----------|
| 37 | Validation of the European Society of Cardiology pre-test probability model for obstructive coronary artery disease. <i>European Heart Journal</i> , 2021, 42, 1401-1411. | 2.2 | 33 |
| 38 | Quantification of Myocardial Blood Flow by Machine Learning Analysis of Modified Dual Bolus MRI Examination. <i>Annals of Biomedical Engineering</i> , 2021, 49, 653-662. | 2.5 | 2 |
| 39 | First-in-Humans Study of ⁶⁸ Ga-DOTA-Siglec-9, a PET Ligand Targeting Vascular Adhesion Protein 1. <i>Journal of Nuclear Medicine</i> , 2021, 62, 577-583. | 5.0 | 13 |
| 40 | Positron emission tomography study of effects of two pressure-relieving support surfaces on pressure ulcer development. <i>Journal of Wound Care</i> , 2021, 30, 54-62. | 1.2 | 2 |
| 41 | Efficacy and tolerability of folate-aminopterin therapy in a rat focal model of multiple sclerosis. <i>Journal of Neuroinflammation</i> , 2021, 18, 30. | 7.2 | 6 |
| 42 | Assessing myocardial perfusion in suspected coronary artery disease: rationale and design of the second phase 3, open-label multi-center study of flurpiridaz (F-18) injection for positron emission tomography (PET) imaging. <i>Journal of Nuclear Cardiology</i> , 2021, 28, 1105-1116. | 2.1 | 10 |
| 43 | Non-Invasive Prediction of Site-Specific Coronary Atherosclerotic Plaque Progression using Lipidomics, Blood Flow, and LDL Transport Modeling. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 1976. | 2.5 | 14 |
| 44 | Sex differences in coronary plaque changes assessed by serial computed tomography angiography. <i>International Journal of Cardiovascular Imaging</i> , 2021, 37, 2311-2321. | 1.5 | 6 |
| 45 | Global Left Ventricular Myocardial Work Efficiency and Long-Term Prognosis in Patients After ST-Segmentâ€Elevation Myocardial Infarction. <i>Circulation: Cardiovascular Imaging</i> , 2021, 14, e012072. | 2.6 | 33 |
| 46 | Body Adiposity, But Not Elements of Objectively Measured Sedentary Behavior or Physical Activity, Is Associated With Circulating Liver Enzymes in Adults With Overweight and Obesity. <i>Frontiers in Endocrinology</i> , 2021, 12, 655756. | 3.5 | 5 |
| 47 | Evaluation of glucagon-like peptide-1 receptor expression in nondiabetic and diabetic atherosclerotic mice using PET tracer ⁶⁸ Ga-NODAGA-exendin-4. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2021, 320, E989-E998. | 3.5 | 5 |
| 48 | Quantitative PET Perfusion Imaging. <i>JACC: Cardiovascular Imaging</i> , 2021, 14, 1035-1037. | 5.3 | 0 |
| 49 | Cardiac perfusion by positron emission tomography. <i>Clinical Physiology and Functional Imaging</i> , 2021, 41, 385-400. | 1.2 | 4 |
| 50 | Influence of the Duration and Timing of Data Collection on Accelerometer-Measured Physical Activity, Sedentary Time and Associated Insulin Resistance. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 4950. | 2.6 | 4 |
| 51 | Selecting the right cohorts and endpoints for the validation of pre-test probability models for obstructive coronary artery disease. <i>European Heart Journal</i> , 2021, 42, 4402-4403. | 2.2 | 0 |
| 52 | Prognostic Implications of a Novel Algorithm to Grade Secondary Tricuspid Regurgitation. <i>JACC: Cardiovascular Imaging</i> , 2021, 14, 1085-1095. | 5.3 | 46 |
| 53 | Machine learning in defining computed tomography-derived fractional flow reserve. <i>European Heart Journal Cardiovascular Imaging</i> , 2021, 22, 1007-1008. | 1.2 | 3 |
| 54 | Association between [68Ga]NODAGA-RGDyK uptake and dynamics of angiogenesis in a human cell-based 3D model. <i>Molecular Biology Reports</i> , 2021, 48, 5347-5353. | 2.3 | 1 |

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|----|--|-----|-----------|
| 55 | 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. | 1.7 | 6 |
| 56 | Coronary Computed Tomographic Angiography for Complete Assessment of Coronary Artery Disease. <i>Journal of the American College of Cardiology</i> , 2021, 78, 713-736. | 2.8 | 66 |
| 57 | Standing is associated with insulin sensitivity in adults with metabolic syndrome. <i>Journal of Science and Medicine in Sport</i> , 2021, 24, 1255-1260. | 1.3 | 6 |
| 58 | Relationship of Endothelial Shear Stress with Plaque Features with Coronary CT Angiography and Vasodilating Capability with PET. <i>Radiology</i> , 2021, 300, 549-556. | 7.3 | 13 |
| 59 | Influence of Heart Rate on Image Quality and Radiation Dose Exposure in Coronary CT Angiography. <i>Radiology</i> , 2021, 300, 701-703. | 7.3 | 6 |
| 60 | 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. | 1.7 | 7 |
| 61 | Changes in Global Left Ventricular Myocardial Work Indices and Stunning Detection 3 Months After ST-Segment Elevation Myocardial Infarction. <i>American Journal of Cardiology</i> , 2021, 157, 15-21. | 1.6 | 10 |
| 62 | Prevalence and Long-term Outcomes of Patients with Coronary Artery Ectasia Presenting with Acute Myocardial Infarction. <i>American Journal of Cardiology</i> , 2021, 156, 9-15. | 1.6 | 19 |
| 63 | Learning to Denoise Gated Cardiac PET Images Using Convolutional Neural Networks. <i>IEEE Access</i> , 2021, 9, 145886-145899. | 4.2 | 3 |
| 64 | Subclinical leaflet thrombosis after transcatheter aortic valve implantation: no association with left ventricular reverse remodeling at 1-year follow-up. <i>International Journal of Cardiovascular Imaging</i> , 2021, , 1. | 1.5 | 0 |
| 65 | PET imaging in diabetic cardiomyopathy. , 2021, , . | | 0 |
| 66 | 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. | 0.8 | 7 |
| 67 | Evaluation of [68Ga]Ga-NODAGA-RGD for PET Imaging of Rat Autoimmune Myocarditis. <i>Frontiers in Medicine</i> , 2021, 8, 783596. | 2.6 | 2 |
| 68 | Association of Circulating Heme Oxygenase-1, Lipid Profile and Coronary Disease Phenotype in Patients with Chronic Coronary Syndrome. <i>Antioxidants</i> , 2021, 10, 2002. | 5.1 | 2 |
| 69 | Glucagon-like peptide-1 receptor expression after myocardial infarction: Imaging study using 68Ga-NODAGA-exendin-4 positron emission tomography. <i>Journal of Nuclear Cardiology</i> , 2020, 27, 2386-2397. | 2.1 | 12 |
| 70 | How accurate is the accuracy?. <i>Journal of Nuclear Cardiology</i> , 2020, 27, 1967-1969. | 2.1 | 3 |
| 71 | Impact of scan quality on the diagnostic performance of CCTA, SPECT, and PET for diagnosing myocardial ischemia defined by fractional flow reserve. <i>Journal of Cardiovascular Computed Tomography</i> , 2020, 14, 60-67. | 1.3 | 6 |
| 72 | 68Ga-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 | 10 |

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|----|---|-----|-----------|
| 73 | Software reproducibility of myocardial blood flow and flow reserve quantification in ischemic heart disease: A ¹³ N-ammonia PET study. <i>Journal of Nuclear Cardiology</i> , 2020, 27, 1225-1233. | 2.1 | 14 |
| 74 | Machine learning in the integration of simple variables for identifying patients with myocardial ischemia. <i>Journal of Nuclear Cardiology</i> , 2020, 27, 147-155. | 2.1 | 40 |
| 75 | Adverse Plaque Characteristics Relate More Strongly With Hyperemic Fractional Flow Reserve and Instantaneous Wave-Free Ratio Than With Resting Instantaneous Wave-Free Ratio. <i>JACC: Cardiovascular Imaging</i> , 2020, 13, 746-756. | 5.3 | 27 |
| 76 | 2019 ESC Guidelines for the diagnosis and management of chronic coronary syndromes. <i>European Heart Journal</i> , 2020, 41, 407-477. | 2.2 | 4,210 |
| 77 | Deep Learning in Quantitative PET Myocardial Perfusion Imaging. <i>JACC: Cardiovascular Imaging</i> , 2020, 13, 180-182. | 5.3 | 27 |
| 78 | Anatomical and functional coronary imaging to predict long-term outcome in patients with suspected coronary artery disease: the EVINCI-outcome study. <i>European Heart Journal Cardiovascular Imaging</i> , 2020, 21, 1273-1282. | 1.2 | 40 |
| 79 | Prognostic value of [¹⁵ O]H ₂ O positron emission tomography-derived global and regional myocardial perfusion. <i>European Heart Journal Cardiovascular Imaging</i> , 2020, 21, 777-786. | 1.2 | 54 |
| 80 | The year in cardiology: imaging. <i>European Heart Journal</i> , 2020, 41, 739-747. | 2.2 | 7 |
| 81 | OUTSMART HF. <i>Circulation</i> , 2020, 141, 818-827. | 1.6 | 19 |
| 82 | Intolerance to aspirin in patients undergoing percutaneous coronary intervention in the setting of chronic coronary syndromes: perspectives from the ESC 2019 Chronic Coronary Syndromes guidelines. <i>European Heart Journal</i> , 2020, 41, 483-484. | 2.2 | 2 |
| 83 | Anti-ischæmic medication must be adapted to each patient's characteristics and preferences in patients with chronic coronary syndromes. <i>European Heart Journal</i> , 2020, 41, 480-481. | 2.2 | 8 |
| 84 | Pilot study of the multicentre DISCHARGE Trial: image quality and protocol adherence results of computed tomography and invasive coronary angiography. <i>European Radiology</i> , 2020, 30, 1997-2009. | 4.5 | 3 |
| 85 | Incremental prognostic value of hybrid [¹⁵ O]H ₂ O positron emission tomography-computed tomography: combining myocardial blood flow, coronary stenosis severity, and high-risk plaque morphology. <i>European Heart Journal Cardiovascular Imaging</i> , 2020, 21, 1105-1113. | 1.2 | 14 |
| 86 | From fallacies to reality: Focus on fractional flow reserve. <i>International Journal of Cardiology</i> , 2020, 319, 61. | 1.7 | 0 |
| 87 | 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. | 4.1 | 76 |
| 88 | Phase-III Clinical Trial of Fluorine-18 Flurpiridaz Positron Emission Tomography for Evaluation of Coronary Artery Disease. <i>Journal of the American College of Cardiology</i> , 2020, 76, 391-401. | 2.8 | 69 |
| 89 | GLOBAL LEFT VENTRICULAR MYOCARDIAL WORK EFFICIENCY AND LONG-TERM PROGNOSIS IN PATIENTS AFTER ST-SEGMENT ELEVATION MYOCARDIAL INFARCTION. <i>Journal of the American College of Cardiology</i> , 2020, 75, 1754. | 2.8 | 1 |
| 90 | Simulation of atherosclerotic plaque growth using computational biomechanics and patient-specific data. <i>Scientific Reports</i> , 2020, 10, 17409. | 3.3 | 22 |

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|-----|---|-----|-----------|
| 91 | Radiosynthesis and preclinical evaluation of [68Ga]Ga-NOTA-folate for PET imaging of folate receptor \hat{I}^2 -positive macrophages. Scientific Reports, 2020, 10, 13593. | 3.3 | 10 |
| 92 | Estimation of optimal number of gates in dual gated 18F-FDG cardiac PET. Scientific Reports, 2020, 10, 19362. | 3.3 | 3 |
| 93 | Both sedentary time and physical activity are associated with cardiometabolic health in overweight adults in a 1-month accelerometer measurement. Scientific Reports, 2020, 10, 20578. | 3.3 | 26 |
| 94 | Incorporating Coronary Calcification Into Pre-Test Assessment of the Likelihood of Coronary Artery Disease. Journal of the American College of Cardiology, 2020, 76, 2421-2432. | 2.8 | 90 |
| 95 | ESC 2019 guidelines for the diagnosis and management of chronic coronary syndromes. Herz, 2020, 45, 409-420. | 1.1 | 53 |
| 96 | Health-related quality of life, angina type and coronary artery disease in patients with stable chest pain. Health and Quality of Life Outcomes, 2020, 18, 140. | 2.4 | 14 |
| 97 | NEMA-2008 and In-Vivo Animal and Plant Imaging Performance of the Large FOV Preclinical Digital PET/CT System Discoverist 180. IEEE Transactions on Radiation and Plasma Medical Sciences, 2020, 4, 622-629. | 3.7 | 15 |
| 98 | 15O-Water PET MPI: Current Status and Future Perspectives. Seminars in Nuclear Medicine, 2020, 50, 238-247. | 4.6 | 19 |
| 99 | Therapeutic Antibody Against Phosphorylcholine Preserves Coronary Function and Attenuates Vascular 18F-FDG Uptake in Atherosclerotic Mice. JACC Basic To Translational Science, 2020, 5, 360-373. | 4.1 | 9 |
| 100 | Impact of Clinical Characteristics and Statins on Coronary Plaque Progression by Serial Computed Tomography Angiography. Circulation: Cardiovascular Imaging, 2020, 13, e009750. | 2.6 | 37 |
| 101 | Folate Receptor \hat{I}^2 -Targeted PET Imaging of Macrophages in Autoimmune Myocarditis. Journal of Nuclear Medicine, 2020, 61, 1643-1649. | 5.0 | 31 |
| 102 | Effects of dipeptidyl peptidase 4 inhibition on inflammation in atherosclerosis: A 18F-fluorodeoxyglucose study of a mouse model of atherosclerosis and type 2 diabetes. Atherosclerosis, 2020, 305, 64-72. | 0.8 | 6 |
| 103 | Comparison Between the Performance of Quantitative Flow Ratio and Perfusion Imaging for Diagnosing Myocardial Ischemia. JACC: Cardiovascular Imaging, 2020, 13, 1976-1985. | 5.3 | 13 |
| 104 | Myocardial tissue and metabolism characterization in men with alcohol consumption by cardiovascular magnetic resonance and 11C-acetate PET/CT. Journal of Cardiovascular Magnetic Resonance, 2020, 22, 23. | 3.3 | 7 |
| 105 | Evaluation of image quality with four positron emitters and three preclinical PET/CT systems. EJNMMI Research, 2020, 10, 155. | 2.5 | 12 |
| 106 | Myocardial perfusion reserve of kidney transplant patients is well preserved. EJNMMI Research, 2020, 10, 9. | 2.5 | 3 |
| 107 | Guidelines in review: Comparison of ESC and AHA guidance for the diagnosis and management of infective endocarditis in adults. Are the differences clinically relevant? The European perspective. Journal of Nuclear Cardiology, 2019, 26, 309-312. | 2.1 | 7 |
| 108 | 2018 ESC/EACTS Guidelines on myocardial revascularization. European Heart Journal, 2019, 40, 87-165. | 2.2 | 4,537 |

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|-----|--|-----|-----------|
| 109 | 2018 ESC/EACTS Guidelines on myocardial revascularization. <i>European Journal of Cardio-thoracic Surgery</i> , 2019, 55, 4-90. | 1.4 | 402 |
| 110 | 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. | 1.7 | 19 |
| 111 | Cost-effectiveness analysis of stand-alone or combined non-invasive imaging tests for the diagnosis of stable coronary artery disease: results from the EVINCI study. <i>European Journal of Health Economics</i> , 2019, 20, 1437-1449. | 2.8 | 23 |
| 112 | Myocardial Blood Flow and Metabolic Rate of Oxygen Measurement in the Right and Left Ventricles at Rest and During Exercise Using 15O-Labeled Compounds and PET. <i>Frontiers in Physiology</i> , 2019, 10, 741. | 2.8 | 4 |
| 113 | Quantification of porcine myocardial perfusion with modified dual bolus MRI – a prospective study with a PET reference. <i>BMC Medical Imaging</i> , 2019, 19, 58. | 2.7 | 4 |
| 114 | The association of coronary lumen volume to left ventricle mass ratio with myocardial blood flow and fractional flow reserve. <i>Journal of Cardiovascular Computed Tomography</i> , 2019, 13, 179-187. | 1.3 | 17 |
| 115 | Imaging in ESC clinical guidelines: chronic coronary syndromes. <i>European Heart Journal Cardiovascular Imaging</i> , 2019, 20, 1187-1197. | 1.2 | 67 |
| 116 | Characterization of functionally significant coronary artery disease by a coronary computed tomography angiography-based index: a comparison with positron emission tomography. <i>European Heart Journal Cardiovascular Imaging</i> , 2019, 20, 897-905. | 1.2 | 18 |
| 117 | Data on the impact of scan quality on the diagnostic performance of CCTA, SPECT, and PET for diagnosing myocardial ischemia defined by fractional flow reserve on a per vessel level. <i>Data in Brief</i> , 2019, 27, 104584. | 1.0 | 0 |
| 118 | Absolute Stress Myocardial Blood Flow After Coronary CT Angiography Guides Referral to Invasive Angiography. <i>JACC: Cardiovascular Imaging</i> , 2019, 12, 2266-2267. | 5.3 | 6 |
| 119 | Safety Study of Single-Dose Intravenously Administered DOTA-Siglec-9 Peptide in Sprague Dawley Rats. <i>International Journal of Toxicology</i> , 2019, 38, 4-11. | 1.2 | 1 |
| 120 | Coronary calcium and mortality: expanding the range of fatal outcomes. <i>European Heart Journal Cardiovascular Imaging</i> , 2019, 20, 383-384. | 1.2 | 1 |
| 121 | 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: British Medical Journal</i> , 2019, 365, l1945. | 2.3 | 99 |
| 122 | Primer in artificial intelligence in cardiovascular medicine. <i>Netherlands Heart Journal</i> , 2019, 27, 392-402. | 0.8 | 44 |
| 123 | Effects of short-term sprint interval and moderate-intensity continuous training on liver fat content, lipoprotein profile, and substrate uptake: a randomized trial. <i>Journal of Applied Physiology</i> , 2019, 126, 1756-1768. | 2.5 | 11 |
| 124 | Phase analysis of gated PET in the evaluation of mechanical ventricular synchrony: A narrative overview. <i>Journal of Nuclear Cardiology</i> , 2019, 26, 1904-1913. | 2.1 | 15 |
| 125 | NEMA NU 4-2008 and <i>in vivo</i> imaging performance of RAYCAN trans-PET/CT X5 small animal imaging system. <i>Physics in Medicine and Biology</i> , 2019, 64, 115014. | 3.0 | 8 |
| 126 | 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. | 1.2 | 136 |

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|-----|---|-----|-----------|
| 127 | Molecular Imaging to Monitor Left Ventricular Remodeling in Heart Failure. <i>Current Cardiovascular Imaging Reports</i> , 2019, 12, 1. | 0.6 | 3 |
| 128 | Amyloid-Targeting PET Tracer [18F]Flutemetamol Accumulates in Atherosclerotic Plaques. <i>Molecules</i> , 2019, 24, 1072. | 3.8 | 9 |
| 129 | Machine Learning in the Evaluation of Myocardial Ischemia Through Nuclear Cardiology. <i>Current Cardiovascular Imaging Reports</i> , 2019, 12, 1. | 0.6 | 17 |
| 130 | Folate receptor-targeted positron emission tomography of experimental autoimmune encephalomyelitis in rats. <i>Journal of Neuroinflammation</i> , 2019, 16, 252. | 7.2 | 10 |
| 131 | Diagnostic value of longitudinal flow gradient for the presence of haemodynamically significant coronary artery disease. <i>European Heart Journal Cardiovascular Imaging</i> , 2019, 20, 21-30. | 1.2 | 12 |
| 132 | Impact of individualized segmentation on diagnostic performance of quantitative positron emission tomography for haemodynamically significant coronary artery disease. <i>European Heart Journal Cardiovascular Imaging</i> , 2019, 20, 525-532. | 1.2 | 14 |
| 133 | The Year in Cardiology 2018: imaging. <i>European Heart Journal</i> , 2019, 40, 508-517. | 2.2 | 14 |
| 134 | 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. | 2.3 | 0 |
| 135 | Determinants of Myocardial Strain in Experimental Chronic Myocardial Infarction. <i>Ultrasound in Medicine and Biology</i> , 2019, 45, 568-578. | 1.5 | 3 |
| 136 | Comparison of Coronary Computed Tomography Angiography, Fractional Flow Reserve, and Perfusion Imaging for Ischemia Diagnosis. <i>Journal of the American College of Cardiology</i> , 2019, 73, 161-173. | 2.8 | 266 |
| 137 | Hybrid coronary computed tomography angiography and positron emission tomography myocardial perfusion imaging in evaluation of recurrent symptoms after coronary artery bypass grafting. <i>European Heart Journal Cardiovascular Imaging</i> , 2019, 20, 1298-1304. | 1.2 | 8 |
| 138 | Noninvasive CT-based hemodynamic assessment of coronary lesions derived from fast computational analysis: a comparison against fractional flow reserve. <i>European Radiology</i> , 2019, 29, 2117-2126. | 4.5 | 28 |
| 139 | Increase of Glucose Uptake in Human Bone Marrow With Increasing Exercise Intensity. <i>International Journal of Sport Nutrition and Exercise Metabolism</i> , 2019, 29, 254-258. | 2.1 | 4 |
| 140 | Diagnostic Value of Transluminal Attenuation Gradient for the Presence of Ischemia as Defined by Fractional Flow Reserve and Quantitative Positron Emission Tomography. <i>JACC: Cardiovascular Imaging</i> , 2019, 12, 323-333. | 5.3 | 19 |
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