Philipp A Kaufmann

List of Publications by Year
in descending order

448 papers	24,358 citations	5574 82 h-index	11052 137 g-index
463 all docs	463 docs citations	463 times ranked	14820 citing authors

#	Article	IF	Citations
1	Long-term follow-up of 34 adults with isolated left ventricular noncompaction: a distinct cardiomyopathy with poor prognosis. Journal of the American College of Cardiology, 2000, 36, 493-500.	2.8	1,106
2	Age- and Sex-Related Differences in All-Cause Mortality Risk Based on Coronary Computed Tomography Angiography Findings. Journal of the American College of Cardiology, 2011, 58, 849-860.	2.8	668
3	Long-Term Prognostic Value of 13N-Ammonia Myocardial Perfusion Positron Emission Tomography. Journal of the American College of Cardiology, 2009, 54, 150-156.	2.8	568
4	Anatomic Versus Physiologic Assessment of Coronary Artery Disease. Journal of the American College of Cardiology, 2013, 62, 1639-1653.	2.8	495
5	Cardiac computed tomography: indications, applications, limitations, and training requirements: Report of a Writing Group deployed by the Working Group Nuclear Cardiology and Cardiac CT of the European Society of Cardiology and the European Council of Nuclear Cardiology. European Heart Journal, 2008, 29, 531-556.	2.2	487
6	Feasibility of low-dose coronary CT angiography: first experience with prospective ECG-gating. European Heart Journal, 2007, 29, 191-197.	2.2	479
7	Machine learning for prediction of all-cause mortality in patients with suspected coronary artery disease: a 5-year multicentre prospective registry analysis. European Heart Journal, 2017, 38, ehw188.	2.2	447
8	Accuracy of dual-source CT coronary angiography: first experience in a high pre-test probability population without heart rate control. European Radiology, 2006, 16, 2739-2747.	4.5	395
9	Prevalence and Severity of Coronary Artery Disease and Adverse Events Among Symptomatic Patients With Coronary Artery Calcification Scores of Zero Undergoing Coronary Computed Tomography Angiography. Journal of the American College of Cardiology, 2011, 58, 2533-2540.	2.8	321
10	Prognostic Value of Multislice Computed Tomography and Gated Single-Photon Emission Computed Tomography in Patients With Suspected Coronary Artery Disease. Journal of the American College of Cardiology, 2009, 53, 623-632.	2.8	308
11	Noninvasive Coronary Angiography with 64-Section CT: Effect of Average Heart Rate and Heart Rate Variability on Image Quality. Radiology, 2006, 241, 378-385.	7.3	298
12	Detection of Significant Coronary Artery Disease by Noninvasive Anatomical and Functional Imaging. Circulation: Cardiovascular Imaging, 2015, 8, .	2.6	286
13	Performance of the Traditional Age, Sex, and Angina Typicality–Based Approach for Estimating Pretest Probability of Angiographically Significant Coronary Artery Disease in Patients Undergoing Coronary Computed Tomographic Angiography. Circulation, 2011, 124, 2423-2432.	1.6	263
14	Deep Learning for Prediction of Obstructive Disease From Fast Myocardial Perfusion SPECT. JACC: Cardiovascular Imaging, 2018, 11, 1654-1663.	5.3	246
15	The quantification of absolute myocardial perfusion in humans by contrast echocardiography. Journal of the American College of Cardiology, 2005, 45, 754-762.	2.8	230
16	Coronary Heart Disease in Smokers. Circulation, 2000, 102, 1233-1238.	1.6	228
17	Optimized Prognostic Score for Coronary Computed Tomographic Angiography. Journal of the American College of Cardiology, 2013, 62, 468-476.	2.8	224
18	Isolated ventricular noncompaction is associated with coronary microcirculatory dysfunction. Journal of the American College of Cardiology, 2002, 39, 450-454.	2.8	212

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19	Functionally Relevant Coronary Artery Disease: Comparison of 64-Section CT Angiography with Myocardial Perfusion SPECT. Radiology, 2008, 248, 414-423.	7.3	202
20	Coronary Computed Tomographic Angiography and Risk of All-Cause Mortality and Nonfatal Myocardial Infarction in Subjects Without Chest Pain Syndrome From the CONFIRM Registry (Coronary CT Angiography Evaluation for Clinical Outcomes: An International Multicenter Registry). Circulation, 2012, 126, 304-313.	1.6	202
21	Cardiac Image Fusion from Stand-Alone SPECT and CT: Clinical Experience. Journal of Nuclear Medicine, 2007, 48, 696-703.	5.0	201
22	Incremental Prognostic Value of Cardiac Computed Tomography in Coronary Artery Disease Using CONFIRM. Circulation: Cardiovascular Imaging, 2011, 4, 463-472.	2.6	201
23	Nuclear Myocardial Perfusion Imaging with a Cadmium-Zinc-Telluride Detector Technique: Optimized Protocol for Scan Time Reduction. Journal of Nuclear Medicine, 2010, 51, 46-51.	5.0	195
24	Myocardial blood flow measurement by PET: technical aspects and clinical applications. Journal of Nuclear Medicine, 2005, 46, 75-88.	5.0	195
25	Radiation dose estimates in dual-source computed tomography coronary angiography. European Radiology, 2008, 18, 592-599.	4.5	194
26	Low density lipoprotein cholesterol and coronary microvascular dysfunction in hypercholesterolemia. Journal of the American College of Cardiology, 2000, 36, 103-109.	2.8	190
27	Cardiac risk after mediastinal irradiation for Hodgkin's disease. Radiotherapy and Oncology, 1998, 46, 51-62.	0.6	186
28	SNMMI/ASNC/SCCT Guideline for Cardiac SPECT/CT and PET/CT 1.0. Journal of Nuclear Medicine, 2013, 54, 1485-1507.	5.0	184
29	Diagnostic Value of ^{13}N-Ammonia Myocardial Perfusion PET: Added Value of Myocardial Flow Reserve. Journal of Nuclear Medicine, 2012, 53, 1230-1234.	5.0	182
30	Transplantation and Tracking of Human-Induced Pluripotent Stem Cells in a Pig Model of Myocardial Infarction. Circulation, 2012, 126, 430-439.	1.6	170
31	Coronary Artery Motion and Cardiac Phases: Dependency on Heart Rate—Implications for CT Image Reconstruction. Radiology, 2007, 245, 567-576.	7.3	169
32	Dual-Source CT Coronary Angiography: Image Quality, Mean Heart Rate, and Heart Rate Variability. American Journal of Roentgenology, 2007, 189, 567-573.	2.2	169
33	Ultrafast nuclear myocardial perfusion imaging on a new gamma camera with semiconductor detector technique: first clinical validation. European Journal of Nuclear Medicine and Molecular Imaging, 2010, 37, 773-778.	6.4	165
34	Image Quality and Reconstruction Intervals of Dual-Source CT Coronary Angiography. Investigative Radiology, 2007, 42, 543-549.	6.2	162
35	Dual-source computed tomography coronary angiography: influence of obesity, calcium load, and heart rate on diagnostic accuracy. European Heart Journal, 2008, 29, 766-776.	2.2	161
36	Current worldwide nuclear cardiology practices and radiation exposure: results from the 65 country IAEA Nuclear Cardiology Protocols Cross-Sectional Study (INCAPS). European Heart Journal, 2015, 36, 1689-1696.	2.2	155

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37	Rationale and design of the CONFIRM (COronary CT Angiography EvaluatioN For Clinical Outcomes: An) Tj ETQq1 1 0.784314 rgBT /Ov	1.3	152
38	Diagnostic performance of choline PET for detection of hyperfunctioning parathyroid glands in hyperparathyroidism: a systematic review and meta-analysis. European Journal of Nuclear Medicine and Molecular Imaging, 2019, 46, 751-765.	6.4	149
39	Incremental prognostic value of multi-slice computed tomography coronary angiography over coronary artery calcium scoring in patients with suspected coronary artery disease. European Heart Journal, 2009, 30, 2622-2629.	2.2	147
40	Prognostic and Therapeutic Implications of Statin and Aspirin Therapy in Individuals With Nonobstructive Coronary Artery Disease. Arteriosclerosis, Thrombosis, and Vascular Biology, 2015, 35, 981-989.	2.4	147
41	Coronary Computed Tomographic Angiography as a Gatekeeper to Invasive Diagnostic and Surgical Procedures. Journal of the American College of Cardiology, 2012, 60, 2103-2114.	2.8	144
42	Validation of a new cardiac image fusion software for three-dimensional integration of myocardial perfusion SPECT and stand-alone 64-slice CT angiography. European Journal of Nuclear Medicine and Molecular Imaging, 2007, 34, 1097-1106.	6.4	140
43	Maximization of the usage of coronary CTA derived plaque information using a machine learning based algorithm to improve risk stratification; insights from the CONFIRM registry. Journal of Cardiovascular Computed Tomography, 2018, 12, 204-209.	1.3	137
44	Machine learning of clinical variables and coronary artery calcium scoring for the prediction of obstructive coronary artery disease on coronary computed tomography angiography: analysis from the CONFIRM registry. European Heart Journal, 2020, 41, 359-367.	2.2	137
45	Coronary 64-slice CT angiography predicts outcome in patients with known or suspected coronary artery disease. European Radiology, 2008, 18, 1162-1173.	4.5	135
46	Integrated PET/CT for the assessment of coronary artery disease: a feasibility study. Journal of Nuclear Medicine, 2005, 46, 930-5.	5.0	133
47	Prognostic value of cardiac hybrid imaging integrating single-photon emission computed tomography with coronary computed tomography angiography. European Heart Journal, 2011, 32, 1465-1471.	2.2	127
48	Accuracy of 64-slice CT angiography for the detection of functionally relevant coronary stenoses as assessed with myocardial perfusion SPECT. European Journal of Nuclear Medicine and Molecular Imaging, 2007, 34, 1162-1171.	6.4	125
49	Accuracy of low-dose computed tomography coronary angiography using prospective electrocardiogram-triggering: first clinical experience. European Heart Journal, 2008, 29, 3037-3042.	2.2	125
50	Added Value of Coronary Artery Calcium Score as an Adjunct to Gated SPECT for the Evaluation of Coronary Artery Disease in an Intermediate-Risk Population. Journal of Nuclear Medicine, 2007, 48, 1424-1430.	5.0	120
51	Differences in Prevalence, Extent, Severity, and Prognosis of Coronary Artery Disease Among Patients With and Without Diabetes Undergoing Coronary Computed Tomography Angiography. Diabetes Care, 2012, 35, 1787-1794.	8.6	120
52	Optimal image reconstruction intervals for non-invasive coronary angiography with 64-slice CT. European Radiology, 2006, 16, 1964-1972.	4.5	118
53	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
54	18 F-Choline Images Murine Atherosclerotic Plaques Ex Vivo. Arteriosclerosis, Thrombosis, and Vascular Biology, 2006, 26, 584-589.	2.4	111

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55	Incremental prognostic utility of coronary CT angiography for asymptomatic patients based upon extent and severity of coronary artery calcium: results from the COronary CT Angiography EvaluatioN For Clinical Outcomes InteRnational Multicenter (CONFIRM) Study. European Heart Journal, 2015, 36, 501-508.	2.2	111
56	Influence of Altitude Exposure on Coronary Flow Reserve. Circulation, 2003, 108, 1202-1207.	1.6	110
57	Absolute Myocardial Blood Flow and Flow Reserve Assessed by Gated SPECT with Cadmium–Zinc–Telluride Detectors Using ^{99m}Tc-Tetrofosmin: Head-to-Head Comparison with ^{13}N-Ammonia PET. Journal of Nuclear Medicine, 2016, 57, 1887-1892.	5.0	110
58	Sex-Specific Associations Between Coronary Artery Plaque Extent and Risk ofÂMajor Adverse Cardiovascular Events. JACC: Cardiovascular Imaging, 2016, 9, 364-372.	5.3	108
59	Use of coronary calcium score scans from stand-alone multislice computed tomography for attenuation correction of myocardial perfusion SPECT. European Journal of Nuclear Medicine and Molecular Imaging, 2007, 34, 11-19.	6.4	106
60	Validation of deep-learning image reconstruction for coronary computed tomography angiography: Impact on noise, image quality and diagnostic accuracy. Journal of Cardiovascular Computed Tomography, 2020, 14, 444-451.	1.3	105
61	Effect of aortic valve stenosis (pressure overload) and regurgitation (volume overload) on left ventricular systolic and diastolic function. American Journal of Cardiology, 1992, 69, 927-934.	1.6	104
62	Aortic Valve Replacement Through a Minimally Invasive Approach: Preoperative Planning, Surgical Technique, and Outcome. Annals of Thoracic Surgery, 2009, 88, 1851-1856.	1.3	103
63	Incremental prognostic value of coronary computed tomographic angiography over coronary artery calcium score for risk prediction of major adverse cardiac events in asymptomatic diabetic individuals. Atherosclerosis, 2014, 232, 298-304.	0.8	102
64	Does coronary CT angiography improve risk stratification over coronary calcium scoring in symptomatic patients with suspected coronary artery disease? Results from the prospective multicenter international CONFIRM registry. European Heart Journal Cardiovascular Imaging, 2014, 15, 267-274.	1.2	100
65	Prognostic value of coronary computed tomographic angiography findings in asymptomatic individuals: a 6-year follow-up from the prospective multicentre international CONFIRM study. European Heart Journal, 2018, 39, 934-941.	2.2	100
66	Aortic Regurgitation: Assessment with 64-Section CT. Radiology, 2007, 245, 111-121.	7.3	99
67	Cardiac hybrid imaging. European Heart Journal, 2011, 32, 2100-2108.	2.2	96
68	Added prognostic value of myocardial blood flow quantitation in rubidium-82 positron emission tomography imaging. European Heart Journal Cardiovascular Imaging, 2013, 14, 1203-1210.	1.2	96
69	CT attenuation correction for myocardial perfusion quantification using a PET/CT hybrid scanner. Journal of Nuclear Medicine, 2004, 45, 537-42.	5.0	96
70	Myocardial Bridging: Depiction Rate and Morphology at CT Coronary Angiography—Comparison with Conventional Coronary Angiography. Radiology, 2008, 246, 754-762.	7.3	95
71	Multicentre multi-device hybrid imaging study of coronary artery disease: results from the EValuation of INtegrated Cardiac Imaging for the Detection and Characterization of Ischaemic Heart Disease (EVINCI) hybrid imaging population. European Heart Journal Cardiovascular Imaging, 2016, 17, 951-960.	1.2	95
72	The Coronary Artery Disease—Reporting and Data System (CAD-RADS). JACC: Cardiovascular Imaging, 2018, 11, 78-89.	5.3	91

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73	Automated detection of lung cancer at ultralow dose PET/CT by deep neural networks – Initial results. Lung Cancer, 2018, 126, 170-173.	2.0	90
74	Normalization of Abnormal Coronary Vasomotion by Calcium Antagonists in Patients With Hypertension. Circulation, 1996, 93, 1380-1387.	1.6	89
75	Multimodality Imaging in Individuals With Anomalous Coronary Arteries. JACC: Cardiovascular Imaging, 2017, 10, 471-481.	5.3	87
76	Quantification of myocardial blood flow with 82Rb positron emission tomography: clinical validation with 15O-water. European Journal of Nuclear Medicine and Molecular Imaging, 2012, 39, 1037-1047.	6.4	86
77	Accuracy of 64-Slice Computed Tomography for the Preoperative Detection of Coronary Artery Disease in Patients With Chronic Aortic Regurgitation. American Journal of Cardiology, 2007, 100, 701-706.	1.6	85
78	Coronary computed tomography angiography with model-based iterative reconstruction using a radiation exposure similar to chest X-ray examination. European Heart Journal, 2014, 35, 1131-1136.	2.2	85
79	Diagnostic accuracy of computed tomography coronary angiography and evaluation of stress-only single-photon emission computed tomography/computed tomography hybrid imaging: comparison of prospective electrocardiogram-triggering vs. retrospective gating. European Heart Journal, 2009, 30, 600-607.	2.2	84
80	Evaluation of a Body Mass Index–Adapted Protocol for Low-Dose 64-MDCT Coronary Angiography with Prospective ECG Triggering. American Journal of Roentgenology, 2009, 192, 635-638.	2.2	84
81	Low-Dose Computed Tomography Coronary Angiography With Prospective Electrocardiogram Triggering. Journal of the American College of Cardiology, 2011, 57, 332-336.	2.8	84
82	Accuracy of Coronary CT Angiography Using a Submillisievert Fraction of Radiation Exposure. Journal of the American College of Cardiology, 2014, 64, 772-780.	2.8	83
83	Impact of cardiac magnetic resonance imaging on human lymphocyte DNA integrity. European Heart Journal, 2013, 34, 2340-2345.	2.2	82
84	Risks and benefits of cardiac imaging: an analysis of risks related to imaging for coronary artery disease. European Heart Journal, 2014, 35, 633-638.	2.2	82
85	Left Ventricular and Left Atrial Dimensions and Volumes. Investigative Radiology, 2008, 43, 284-289.	6.2	80
86	Body mass index and the prevalence, severity, and risk of coronary artery disease: an international multicentre study of 13 874 patients. European Heart Journal Cardiovascular Imaging, 2013, 14, 456-463.	1.2	80
87	Nuclear myocardial perfusion imaging with a novel cadmium-zinc-telluride detector SPECT/CT device: first validation versus invasive coronary angiography. European Journal of Nuclear Medicine and Molecular Imaging, 2011, 38, 2025-2030.	6.4	78
88	Superior Risk Stratification With Coronary Computed Tomography Angiography Using a Comprehensive Atherosclerotic Risk Score. JACC: Cardiovascular Imaging, 2019, 12, 1987-1997.	5.3	78
89	Age-related risk of major adverse cardiac event risk and coronary artery disease extent and severity by coronary CT angiography: results from 15 187 patients from the International Multisite CONFIRM Study. European Heart Journal Cardiovascular Imaging, 2014, 15, 586-594.	1.2	77
90	Whole-heart dynamic three-dimensional magnetic resonance perfusion imaging for the detection of coronary artery disease defined by fractional flow reserve: determination of volumetric myocardial ischaemic burden and coronary lesion location. European Heart Journal, 2012, 33, 2016-2024.	2.2	76

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91	Impact of Fractional Flow Reserve Derived From Coronary Computed Tomography Angiography on Heart Team Treatment Decision-Making in Patients With Multivessel Coronary Artery Disease. Circulation: Cardiovascular Interventions, 2019, 12, e007607.	3.9	76
92	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
93	Improved Outcome Prediction by SPECT Myocardial Perfusion Imaging After CT Attenuation Correction. Journal of Nuclear Medicine, 2011, 52, 196-200.	5.0	73
94	Statins use and coronary artery plaque composition: Results from the International Multicenter CONFIRM Registry. Atherosclerosis, 2012, 225, 148-153.	0.8	72
95	Clinical performance of 68Ga-PSMA-11 PET/MRI for the detection of recurrent prostate cancer following radical prostatectomy. European Journal of Nuclear Medicine and Molecular Imaging, 2018, 45, 20-30.	6.4	72
96	Inter-scan variability of coronary artery calcium scoring assessed on 64-multidetector computed tomography vs. dual-source computed tomography: a head-to-head comparison. European Heart Journal, 2011, 32, 1865-1874.	2.2	71
97	Coronary CT angiography and myocardial perfusion imaging to detect flow-limiting stenoses: a potential gatekeeper for coronary revascularization?. European Heart Journal, 2009, 30, 2921-2929.	2.2	70
98	Long-Term Prognostic Utility of CoronaryÂCTÂAngiography in Stable Patients WithÂDiabetes Mellitus. JACC: Cardiovascular Imaging, 2016, 9, 1280-1288.	5.3	70
99	5-Year Prognostic Value of QuantitativeÂVersus Visual MPI in SubtleÂPerfusionÂDefects. JACC: Cardiovascular Imaging, 2020, 13, 774-785.	5.3	70
100	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
101	Reference values for quantitative left ventricular and left atrial measurements in cardiac computed tomography. European Radiology, 2008, 18, 1625-1634.	4.5	68
102	Long-term prognostic value of left ventricular dyssynchrony assessment by phase analysis from myocardial perfusion imaging. Heart, 2011, 97, 33-37.	2.9	68
103	Very high coronary calcium score unmasks obstructive coronary artery disease in patients with normal SPECT MPI. Heart, 2011, 97, 998-1003.	2.9	67
104	Clinical Positron Emission Tomography/Magnetic Resonance Imaging Applications. Seminars in Nuclear Medicine, 2013, 43, 3-10.	4.6	67
105	Influence of cardiac hemodynamic parameters on coronary artery opacification with 64-slice computed tomography. European Radiology, 2006, 16, 1111-1116.	4.5	65
106	Acute, Subacute, and Chronic Myocardial Infarction: Quantitative Comparison of 2D and 3D Late Gadolinium Enhancement MR Imaging. Radiology, 2011, 259, 704-711.	7.3	65
107	All-cause mortality benefit of coronary revascularization vs. medical therapy in patients without known coronary artery disease undergoing coronary computed tomographic angiography: results from CONFIRM (COronary CT Angiography EvaluatioN For Clinical Outcomes: An InteRnational) Tj ETQq1 1 0.784314 rgBT /Overlock	2.2	65
108	Gender, Age, and Body Surface Area are the Major Determinants of Ascending Aorta Dimensions in Subjects With Apparently Normal Echocardiograms. Journal of the American Society of Echocardiography, 2009, 22, 720-725.	2.8	64

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109	Impact of cardiac hybrid single-photon emission computed tomography/computed tomography imaging on choice of treatment strategy in coronary artery disease. European Heart Journal, 2011, 32, 2824-2829.	2.2	64
110	Bicycle exercise stress in PET for assessment of coronary flow reserve: repeatability and comparison with adenosine stress. Journal of Nuclear Medicine, 2003, 44, 146-54.	5.0	64
111	Effect of NO Donors on LV Diastolic Function in Patients With Severe Pressure-Overload Hypertrophy. Circulation, 1999, 99, 2396-2401.	1.6	63
112	Coronary artery calcium scoring: Influence of adaptive statistical iterative reconstruction using 64-MDCT. International Journal of Cardiology, 2013, 167, 2932-2937.	1.7	63
113	Prevalence of Coronary Artery Disease Assessed by Multislice Computed Tomography Coronary Angiography in Patients With Paroxysmal or Persistent Atrial Fibrillation. Circulation: Cardiovascular Imaging, 2009, 2, 100-106.	2.6	61
114	Hybrid SPECT/CT and PET/CT Imaging: The Next Step in Noninvasive Cardiac Imaging. Seminars in Nuclear Medicine, 2009, 39, 341-347.	4.6	61
115	Repeatability of cold pressor test-induced flow increase assessed with H(2)(15)O and PET. Journal of Nuclear Medicine, 2006, 47, 1420-6.	5.0	60
116	Validation of CT Attenuation Correction for High-Speed Myocardial Perfusion Imaging Using a Novel Cadmium-Zinc-Telluride Detector Technique. Journal of Nuclear Medicine, 2010, 51, 1539-1544.	5.0	59
117	Prognostic value of coronary vessel dominance in relation to significant coronary artery disease determined with non-invasive computed tomography coronary angiography. European Heart Journal, 2012, 33, 1367-1377.	2.2	58
118	Impact of Family History of Coronary Artery Disease in Young Individuals (from the CONFIRM Registry). American Journal of Cardiology, 2013, 111, 1081-1086.	1.6	58
119	Cadmium-Zinc-Telluride Myocardial Perfusion Imaging in Obese Patients. Journal of Nuclear Medicine, 2012, 53, 1401-1406.	5.0	57
120	First experience with monochromatic coronary computed tomography angiography from a 64-slice CT scanner with Gemstone Spectral Imaging (GSI). Journal of Cardiovascular Computed Tomography, 2013, 7, 25-31.	1.3	57
121	Relationship of Hypertension to Coronary Atherosclerosis and Cardiac Events in Patients With Coronary Computed Tomographic Angiography. Hypertension, 2017, 70, 293-299.	2.7	57
122	Semiconductor Detectors Allow Low-Dose–Low-Dose 1-Day SPECT Myocardial Perfusion Imaging. Journal of Nuclear Medicine, 2011, 52, 1204-1209.	5.0	56
123	Usefulness of Coronary Computed Tomography Angiography to Predict Mortality and Myocardial Infarction Among Caucasian, African and East Asian Ethnicities (from the CONFIRM [Coronary CT) Tj ETQq1 1 0.784314 rgBT /Overloc Journal of Cardiology, 2013, 111, 479-485.	1.6	56
124	Long-term prognostic impact of CT-Leaman score in patients with non-obstructive CAD: Results from the COronary CT Angiography EvaluatioN For Clinical Outcomes InteRnational Multicenter (CONFIRM) study. International Journal of Cardiology, 2017, 231, 18-25.	1.7	56
125	Automatic Valve Plane Localization in Myocardial Perfusion SPECT/CT by Machine Learning: Anatomic and Clinical Validation. Journal of Nuclear Medicine, 2017, 58, 961-967.	5.0	56
126	Effect of Decrease in Heart Rate Variability on the Diagnostic Accuracy of 64-MDCT Coronary Angiography. American Journal of Roentgenology, 2008, 190, 1583-1590.	2.2	55

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127	Congenital coronary anomalies detected by coronary computed tomography compared to invasive coronary angiography. BMC Cardiovascular Disorders, 2014, 14, 81.	1.7	54
128	Caffeine Decreases Exercise-Induced Myocardial Flow Reserve. Journal of the American College of Cardiology, 2006, 47, 405-410.	2.8	53
129	Comparison of Diagnostic Accuracy of 64-Slice Computed Tomography Coronary Angiography in Patients with Low, Intermediate, and High Cardiovascular Risk. Academic Radiology, 2008, 15, 452-461.	2.5	52
130	Comparison of 64-slice CT with gated SPECT for evaluation of left ventricular function. Journal of Nuclear Medicine, 2006, 47, 1288-94.	5.0	52
131	Impact of a Bayesian penalized likelihood reconstruction algorithm on image quality in novel digital PET/CT: clinical implications for the assessment of lung tumors. EJNMMI Physics, 2018, 5, 27.	2.7	51
132	Interaction of Caffeine With Regadenoson-Induced Hyperemic Myocardial Blood Flow as Measured by Positron Emission Tomography. Journal of the American College of Cardiology, 2008, 51, 328-329.	2.8	50
133	Prognostic Assessment of Coronary Artery Bypass Patients With 64-Slice Computed Tomography Angiography. Journal of the American College of Cardiology, 2011, 58, 2389-2395.	2.8	50
134	New reconstruction algorithm allows shortened acquisition time for myocardial perfusion SPECT. European Journal of Nuclear Medicine and Molecular Imaging, 2010, 37, 750-757.	6.4	48
135	CT coronary angiography: impact of adapted statistical iterative reconstruction (ASIR) on coronary stenosis and plaque composition analysis. International Journal of Cardiovascular Imaging, 2013, 29, 719-724.	1.5	48
136	MR-based attenuation correction for cardiac FDG PET on a hybrid PET/MRI scanner: comparison with standard CT attenuation correction. European Journal of Nuclear Medicine and Molecular Imaging, 2015, 42, 1574-1580.	6.4	48
137	Minimized Radiation and Contrast Agent Exposure for Coronary Computed Tomography Angiography: First Clinical Experience on a Latest Generation 256-slice Scanner. Academic Radiology, 2016, 23, 1008-1014.	2.5	48
138	Comparative immunohistochemical staining of atherosclerotic plaques using F16, F8 and L19: Three clinical-grade fully human antibodies. Atherosclerosis, 2010, 208, 382-389.	0.8	47
139	Subclinical coronary artery disease in Swiss HIV-positive and HIV-negative persons. European Heart Journal, 2018, 39, 2147-2154.	2.2	47
140	Absolute Quantification of Myocardial Blood Flow with 13N-Ammonia and 3-Dimensional PET. Journal of Nuclear Medicine, 2007, 48, 1783-1789.	5.0	46
141	Image quality and radiation dose comparison of prospectively triggered low-dose CCTA: 128-slice dual-source high-pitch spiral versus 64-slice single-source sequential acquisition. International Journal of Cardiovascular Imaging, 2012, 28, 1217-1225.	1.5	46
142	Long term prognostic utility of coronary CT angiography in patients with no modifiable coronary artery disease risk factors: Results from the 5 year follow-up of the CONFIRM International Multicenter Registry. Journal of Cardiovascular Computed Tomography, 2016, 10, 22-27.	1.3	46
143	Sex-based Prognostic Implications of Nonobstructive Coronary Artery Disease: Results from the International Multicenter CONFIRM Study. Radiology, 2014, 273, 393-400.	7.3	45
144	Impact of a New Motion-Correction Algorithm on Image Quality of Low-Dose Coronary CT Angiography in Patients with Insufficient Heart Rate Control. Academic Radiology, 2014, 21, 312-317.	2.5	45

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145	Low-dose CT Coronary Angiography Using Prospective ECG-Triggering. Academic Radiology, 2009, 16, 15-21.	2.5	44
146	Validation of a new contrast material protocol adapted to body surface area for optimized low-dose CT coronary angiography with prospective ECG-triggering. International Journal of Cardiovascular Imaging, 2010, 26, 591-597.	1.5	44
147	Strategies for radiation dose reduction in nuclear cardiology and cardiac computed tomography imaging: a report from the European Association of Cardiovascular Imaging (EACVI), the Cardiovascular Committee of European Association of Nuclear Medicine (EANM), and the European Society of Cardiovascular Radiology (ESCR). European Heart Journal, 2018, 39, 286-296.	2.2	44
148	Clinical impact of 68Ga-PSMA-11 PET on patient management and outcome, including all patients referred for an increase in PSA level during the first year after its clinical introduction. European Journal of Nuclear Medicine and Molecular Imaging, 2019, 46, 889-900.	6.4	44
149	Clinical Deployment of Explainable Artificial Intelligence of SPECT for Diagnosis of Coronary Artery Disease. JACC: Cardiovascular Imaging, 2022, 15, 1091-1102.	5.3	44
150	Diagnosis and Management of Anomalous Coronary Arteries with a Malignant Course. Interventional Cardiology Review, 2019, 14, 83-88.	1.6	44
151	Left bundle branch block causes relative but not absolute septal underperfusion during exercise. European Heart Journal, 2009, 30, 2993-2999.	2.2	43
152	Age-related normal structural and functional ventricular values in cardiac function assessed by magnetic resonance. BMC Medical Imaging, 2013, 13, 6.	2.7	43
153	Gene expression levels of matrix metalloproteinases in human atherosclerotic plaques and evaluation of radiolabeled inhibitors as imaging agents for plaque vulnerability. Nuclear Medicine and Biology, 2014, 41, 562-569.	0.6	43
154	Effect of Coronary Atherosclerosis and Myocardial Ischemia on Plasma Levels of High-Sensitivity Troponin T and NT-proBNP in Patients With Stable Angina. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, 757-764.	2.4	42
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