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List of Publications by Year
in descending order

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Version: 2024-02-01

100 papers	1,840 citations	304368 22 h-index	377514 34 g-index
104 all docs	104 docs citations	104 times ranked	2358 citing authors

#	Article	IF	Citations
1	Performance of visual, manual, and automatic coronary calcium scoring of cardiac 13N-ammonia PET/low dose CT. Journal of Nuclear Cardiology, 2023, 30, 239-250.	1.4	2
2	Coronary Artery Calcium Scoring. Investigative Radiology, 2022, 57, 13-22.	3.5	10
3	Lung Nodule Detectability of Artificial Intelligence-assisted CT Image Reading in Lung Cancer Screening. Current Medical Imaging, 2022, 18, 327-334.	0.4	16
4	Cost-effectiveness of abbreviated-protocol MRI screening for women with mammographically dense breasts in a national breast cancer screening program. Breast, 2022, 61, 58-65.	0.9	10
5	Development of a dedicated 3D printed myocardial perfusion phantom: proof-of-concept in dynamic SPECT. Medical and Biological Engineering and Computing, 2022, 60, 1541-1550.	1.6	4
6	Reproducibility of coronary artery calcium quantification on dual-source CT and dual-source photon-counting CT: a dynamic phantom study. International Journal of Cardiovascular Imaging, 2022, 38, 1613-1619.	0.7	12
7	Lung cancer screening with low-dose CT: Simulating the effect of starting screening at a younger age in women. European Journal of Radiology, 2022, 148, 110182.	1.2	2
8	Coronary calcium scores on dual-source photon-counting computed tomography: an adapted Agatston methodology aimed at radiation dose reduction. European Radiology, 2022, 32, 5201-5209.	2.3	13
9	Development of a dynamic myocardial perfusion phantom model for tracer kinetic measurements. EJNMMI Physics, 2022, 9, 31.	1.3	5
10	Overdiagnosis of invasive breast cancer in population-based breast cancer screening: A short- and long-term perspective. European Journal of Cancer, 2022, 173, 1-9.	1.3	9
11	[18F]FDG Uptake in Adipose Tissue Is Not Related to Inflammation in Type 2 Diabetes Mellitus. Molecular Imaging and Biology, 2021, 23, 117-126.	1.3	8
12	Mammographic sensitivity as a function of tumor size: A novel estimation based on population-based screening data. Breast, 2021, 55, 69-74.	0.9	11
13	Determinants of Population-Based Cancer Screening Performance at Primary Healthcare Institutions in China. International Journal of Environmental Research and Public Health, 2021, 18, 3312.	1.2	2
14	The Role of Socio-Demographic Factors in the Coverage of Breast Cancer Screening: Insights From a Quantile Regression Analysis. Frontiers in Public Health, 2021, 9, 648278.	1.3	2
15	Evaluating a calcium-aware kernel for CT CAC scoring with varying surrounding materials and heart rates: a dynamic phantom study. European Radiology, 2021, 31, 9211-9220.	2.3	5
16	Fully automated quantification method (FQM) of coronary calcium in an anthropomorphic phantom. Medical Physics, 2021, 48, 3730-3740.	1.6	17
17	Assessment of the Benefits and Cost-Effectiveness of Population-Based Breast Cancer Screening in Urban China: A Model-Based Analysis. International Journal of Health Policy and Management, 2021, , .	0.5	5
18	Classification of moving coronary calcified plaques based on motion artifacts using convolutional neural networks: a robotic simulating study on influential factors. BMC Medical Imaging, 2021, 21, 151.	1.4	3

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19	Cost-effectiveness of lung cancer screening by low-dose CT in China: a micro-simulation study. Journal of the National Cancer Center, 2021, , .	3.0	2
20	Dose Reduction in Coronary Artery Calcium Scoring Using Mono-Energetic Images from Reduced Tube Voltage Dual-Source Photon-Counting CT Data: A Dynamic Phantom Study. Diagnostics, 2021, 11, 2192.	1.3	22
21	Motion-corrected coronary calcium scores by a convolutional neural network: a robotic simulating study. European Radiology, 2020, 30, 1285-1294.	2.3	17
22	Supplementary data for a model-based health economic evaluation on lung cancer screening with low-dose computed tomography in a high-risk population. Data in Brief, 2020, 31, 105999.	0.5	3
23	Is Ultrasound an Accurate Alternative for Mammography in Breast Cancer Screening in an Asian Population? A Meta-Analysis. Diagnostics, 2020, 10, 985.	1.3	19
24	The cost-effectiveness of digital breast tomosynthesis in a population breast cancer screening program. European Radiology, 2020, 30, 5437-5445.	2.3	9
25	Cost-effectiveness of lung cancer screening with low-dose computed tomography in heavy smokers: a microsimulation modelling study. European Journal of Cancer, 2020, 135, 121-129.	1.3	30
26	Quantitative imaging: systematic review of perfusion/flow phantoms. European Radiology Experimental, 2020, 4, 15.	1.7	12
27	Visceral adipose tissue volume is associated with premature atherosclerosis in early type 2 diabetes mellitus independent of traditional risk factors. Atherosclerosis, 2019, 290, 87-93.	0.4	20
28	Diagnostic Accuracy of Computed Tomography to Exclude Pheochromocytoma: A Systematic Review, Meta-analysis, and Cost Analysis. Mayo Clinic Proceedings, 2019, 94, 2040-2052.	1.4	20
29	18F-Fdg Uptake In Visceral Adipose Tissue Is Inversely Associated To Insulin Resistance And Adiponectin. Atherosclerosis, 2019, 287, e130.	0.4	0
30	Should women with a BRCA1/2 mutation aged 60 and older be offered intensified breast cancer screening? â€“ A cost-effectiveness analysis. Breast, 2019, 45, 82-88.	0.9	8
31	Coronary artery calcium: A technical argument for a new scoring method. Journal of Cardiovascular Computed Tomography, 2019, 13, 347-352.	0.7	30
32	Unenhanced CT imaging is highly sensitive to exclude pheochromocytoma: a multicenter study. European Journal of Endocrinology, 2018, 178, 431-437.	1.9	44
33	A modelling study to evaluate the costs and effects of lowering the starting age of population breast cancer screening. Maturitas, 2018, 109, 81-88.	1.0	14
34	Influence of heart rate on coronary calcium scores: a multi-manufacturer phantom study. International Journal of Cardiovascular Imaging, 2018, 34, 959-966.	0.7	25
35	Influence of iterative reconstruction on coronary calcium scores at multiple heart rates: a multivendor phantom study on state-of-the-art CT systems. International Journal of Cardiovascular Imaging, 2018, 34, 947-957.	0.7	12
36	Is the coronary artery calcium score associated with acute coronary events in breast cancer patients treated with radiotherapy?. Radiotherapy and Oncology, 2018, 126, 170-176.	0.3	40

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37	Coronary calcium scoring with partial volume correction in anthropomorphic thorax phantom and screening chest CT images. PLoS ONE, 2018, 13, e0209318.	1.1	23
38	The impact of dose reduction on the quantification of coronary artery calcifications and risk categorization: A systematic review. Journal of Cardiovascular Computed Tomography, 2018, 12, 352-363.	0.7	21
39	OC-0091: Prognostic value of calcium score in breast cancer patients treated with radiotherapy. Radiotherapy and Oncology, 2018, 127, S48-S49.	0.3	0
40	Digital breast tomosynthesis for breast cancer screening and diagnosis in women with dense breasts â€“ a systematic review and meta-analysis. BMC Cancer, 2018, 18, 380.	1.1	90
41	Molecular imaging with positron emission tomography and computed tomography (PET/CT) for selecting first-line targeted treatment in metastatic breast cancer: a cost-effectiveness study. Oncotarget, 2018, 9, 19836-19846.	0.8	13
42	Quantification of abdominal aortic calcification: Inherent measurement errors in current computed tomography imaging. PLoS ONE, 2018, 13, e0193419.	1.1	18
43	Assessment of coronary calcification using calibrated mass score with two different multidetector computed tomography scanners in the Copenhagen General Population Study. European Journal of Radiology, 2017, 88, 21-25.	1.2	7
44	Influence of dose reduction and iterative reconstruction on CT calcium scores: a multi-manufacturer dynamic phantom study. International Journal of Cardiovascular Imaging, 2017, 33, 899-914.	0.7	12
45	Increased life expectancy as a result of non-hormonal targeted therapies for HER2 or hormone receptor positive metastatic breast cancer: A systematic review and meta-analysis. Cancer Treatment Reviews, 2017, 55, 16-25.	3.4	18
46	Feasibility of spectral shaping for detection and quantification of coronary calcifications in ultra-low dose CT. European Radiology, 2017, 27, 2047-2054.	2.3	17
47	Early health technology assessment of magnetic resonance-guided high intensity focused ultrasound ablation for the treatment of early-stage breast cancer. Journal of Therapeutic Ultrasound, 2017, 5, 23.	2.2	14
48	Correspondence â€“ Reply to THEBREAST-D-15-702. Breast, 2016, 27, 184-185.	0.9	0
49	The Use of CT Scan in Hemodynamically Stable Children with Blunt Abdominal Trauma: Look before You Leap. European Journal of Pediatric Surgery, 2016, 26, 332-335.	0.7	10
50	Feasibility of measuring renal blood flow by phase-contrast magnetic resonance imaging in patients with autosomal dominant polycystic kidney disease. European Radiology, 2016, 26, 683-692.	2.3	6
51	Quantitative Comparison of Commercial and Non-Commercial Metal Artifact Reduction Techniques in Computed Tomography. PLoS ONE, 2015, 10, e0127932.	1.1	23
52	Circumference as an alternative for diameter measurement in endovascular aneurysm repair. Medical Hypotheses, 2015, 85, 230-233.	0.8	3
53	The value of PET/CT with FES or FDG tracers in metastatic breast cancer: a computer simulation study in ER-positive patients. British Journal of Cancer, 2015, 112, 1617-1625.	2.9	18
54	Relative electron density determination using a physics based parameterization of photon interactions in medical DECT. Physics in Medicine and Biology, 2015, 60, 3825-3846.	1.6	19

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55	Simulation models in population breast cancer screening: AÂsystematic review. Breast, 2015, 24, 354-363.	0.9	30
56	Coronary calcium scores are systematically underestimated at a large chest size: A multivendor phantom study. Journal of Cardiovascular Computed Tomography, 2015, 9, 415-421.	0.7	16
57	The Cumulative Risk of Multiple CT Exposures Using Two Different Methods. Health Physics, 2014, 106, 475-483.	0.3	4
58	Influence of iterative image reconstruction on CT-based calcium score measurements. International Journal of Cardiovascular Imaging, 2014, 30, 961-7.	0.7	39
59	Leukemia and brain tumors among children after radiation exposure from CT scans: design and methodological opportunities of the Dutch Pediatric CT Study. European Journal of Epidemiology, 2014, 29, 293-301.	2.5	40
60	Small Irregular Pulmonary Nodules in Low-Dose CT: Observer Detection Sensitivity and Volumetry Accuracy. American Journal of Roentgenology, 2014, 202, W202-W209.	1.0	27
61	Non-calcified coronary atherosclerotic plaque visualization on CT: effects of contrast-enhancement and lipid-content fractions. International Journal of Cardiovascular Imaging, 2013, 29, 1137-1148.	0.7	9
62	Optimisation of volume-doubling time cutoff for fast-growing lung nodules in CT lung cancer screening reduces false-positive referrals. European Radiology, 2013, 23, 1836-1845.	2.3	79
63	Sensitivity and accuracy of volumetry of pulmonary nodules on low-dose 16- and 64-row multi-detector CT: an anthropomorphic phantom study. European Radiology, 2013, 23, 139-147.	2.3	55
64	Calcium score of small coronary calcifications on multidetector computed tomography: Results from a static phantom study. European Journal of Radiology, 2013, 82, e58-e63.	1.2	16
65	Improving the reproducibility of MR-derived left ventricular volume and function measurements with a semi-automatic threshold-based segmentation algorithm. International Journal of Cardiovascular Imaging, 2013, 29, 617-623.	0.7	44
66	Inter- and intrascanner variability of pulmonary nodule volumetry on low-dose 64-row CT: an anthropomorphic phantom study. British Journal of Radiology, 2013, 86, 20130160.	1.0	15
67	Can nontriggered thoracic CT be used for coronary artery calcium scoring? A phantom study. Medical Physics, 2013, 40, 081915.	1.6	18
68	Which screening strategy should be offered to women with BRCA1 or BRCA2 mutations? A simulation of comparative cost-effectiveness. British Journal of Cancer, 2013, 108, 1579-1586.	2.9	34
69	Assessment of thermal sensitivity of CT during heating of liver: anex vivostudy. British Journal of Radiology, 2012, 85, e661-e665.	1.0	17
70	CT-based temperature monitoring during hepatic RF ablation: Feasibility in an animal model. International Journal of Hyperthermia, 2012, 28, 55-61.	1.1	38
71	Breast Cancer Incidence After Risk-Reducing Salpingo-Oophorectomy in BRCA1 and BRCA2 Mutation Carriers. Cancer Prevention Research, 2012, 5, 1291-1297.	0.7	24
72	Feasibility and accuracy of tissue characterization with dual source computed tomography. Physica Medica, 2012, 28, 25-32.	0.4	20

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73	Feasibility of Noninvasive Temperature Assessment During Radiofrequency Liver Ablation on Computed Tomography. Journal of Computer Assisted Tomography, 2011, 35, 356-360.	0.5	29
74	Automated bone removal in CT angiography: Comparison of methods based on single energy and dual energy scans. Medical Physics, 2011, 38, 6128-6137.	1.6	16
75	Feasibility of computed tomography based thermometry during interstitial laser heating in bovine liver. European Radiology, 2011, 21, 1733-1738.	2.3	43
76	Exposure to low-dose radiation and the risk of breast cancer among women with a familial or genetic predisposition: a meta-analysis. European Radiology, 2010, 20, 2547-2556.	2.3	66
77	Quantitative image analysis for the detection of motion artefacts in coronary artery computed tomography. International Journal of Cardiovascular Imaging, 2010, 26, 77-87.	0.7	4
78	Coronary calcium mass scores measured by identical 64-slice MDCT scanners are comparable: a cardiac phantom study. International Journal of Cardiovascular Imaging, 2010, 26, 89-98.	0.7	14
79	The validation of a simulation model incorporating radiation risk for mammography breast cancer screening in women with a hereditary-increased breast cancer risk. European Journal of Cancer, 2010, 46, 495-504.	1.3	19
80	Threshold adjusted calcium scoring using CT is less susceptible to cardiac motion and more accurate. Medical Physics, 2009, 36, 438-446.	1.6	14
81	A model for quantitative correction of coronary calcium scores on multidetector, dual source, and electron beam computed tomography for influences of linear motion, calcification density, and temporal resolution: A cardiac phantom study. Medical Physics, 2009, 36, 5079-5088.	1.6	22
82	Comparison of MRI, 64-slice MDCT and DSCT in assessing functional cardiac parameters of a moving heart phantom. European Radiology, 2009, 19, 577-583.	2.3	20
83	Assessment of image quality of 64-row Dual Source versus Single Source CT coronary angiography on heart rate: A phantom study. European Journal of Radiology, 2009, 70, 61-68.	1.2	20
84	Accuracy of Noninvasive Coronary Stenosis Quantification of Different Commercially Available Dedicated Software Packages. Journal of Computer Assisted Tomography, 2009, 33, 505-512.	0.5	8
85	Diagnostic quality of time-averaged ECG-gated CT data. Proceedings of SPIE, 2009, , .	0.8	1
86	Detectability of motions in AAA with ECGâ€gated CTA: A quantitative study. Medical Physics, 2009, 36, 4616-4624.	1.6	10
87	A cardiac phantom study on quantitative correction of coronary calcium score on multi-detector, dual source, and electron beam tomography for velocity, calcification density, and acquisition time. , 2009, , .		0
88	Calcium scoring using 64-slice MDCT, dual source CT and EBT: a comparative phantom study. International Journal of Cardiovascular Imaging, 2008, 24, 547-556.	0.7	76
89	64 slice MDCT generally underestimates coronary calcium scores as compared to EBT: A phantom study. Medical Physics, 2007, 34, 3510-3519.	1.6	17
90	The Influence of Heart Rate, Slice Thickness, and Calcification Density on Calcium Scores Using 64-Slice Multidetector Computed Tomography. Investigative Radiology, 2007, 42, 848-855.	3.5	54

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91	A model for temporal resolution of multidetector computed tomography of coronary arteries in relation to rotation time, heart rate and reconstruction algorithm. European Radiology, 2007, 17, 784-812.	2.3	17
92	A new approach to the assessment of lumen visibility of coronary artery stent at various heart rates using 64-slice MDCT. European Radiology, 2007, 17, 1879-1884.	2.3	20
93	Initial Results on Visualization of Coronary Artery Stents at Multiple Heart Rates on a Moving Heart Phantom Using 64-MDCT. Journal of Computer Assisted Tomography, 2006, 30, 812-817.	0.5	20
94	Study on motion artifacts in coronary arteries with an anthropomorphic moving heart phantom on an ECG-gated multidetector computed tomography unit. European Radiology, 2005, 15, 995-1007.	2.3	30
95	Kr incorporation in sputtered amorphous Si layers. Journal of Applied Physics, 1995, 77, 3467-3478.	1.1	5
96	Highly pressurized Kr agglomerates in sputtered Si films. Thin Solid Films, 1994, 241, 12-15.	0.8	1
97	Molecular dynamics simulation of the lattice dynamics of solid Kr. Computational Materials Science, 1994, 2, 308-318.	1.4	0
98	The retention of krypton in polycrystalline silicon during high-temperature annealing. Philosophical Magazine Letters, 1994, 70, 241-245.	0.5	3
99	Krypton incorporation in sputtered silicon films. Hyperfine Interactions, 1993, 79, 669-674.	0.2	5
100	A Mossbauer study on solid krypton precipitates in aluminium. Journal of Physics Condensed Matter, 1993, 5, 3541-3554.	0.7	6