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List of Publications by Year
in descending order

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100 papers	1,840 citations	304743 22 h-index	361022 35 g-index
104 all docs	104 docs citations	104 times ranked	2358 citing authors

#	Article	IF	Citations
1	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.	2.6	90
2	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.	4.5	79
3	Calcium scoring using 64-slice MDCT, dual source CT and EBT: a comparative phantom study. International Journal of Cardiovascular Imaging, 2008, 24, 547-556.	1.5	76
4	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.	4.5	66
5	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.	4.5	55
6	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.	6.2	54
7	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.	1.5	44
8	Unenhanced CT imaging is highly sensitive to exclude pheochromocytoma: a multicenter study. European Journal of Endocrinology, 2018, 178, 431-437.	3.7	44
9	Feasibility of computed tomography based thermometry during interstitial laser heating in bovine liver. European Radiology, 2011, 21, 1733-1738.	4.5	43
10	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.	5.7	40
11	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.	0.6	40
12	Influence of iterative image reconstruction on CT-based calcium score measurements. International Journal of Cardiovascular Imaging, 2014, 30, 961-7.	1.5	39
13	CT-based temperature monitoring during hepatic RF ablation: Feasibility in an animal model. International Journal of Hyperthermia, 2012, 28, 55-61.	2.5	38
14	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.	6.4	34
15	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.	4.5	30
16	Simulation models in population breast cancer screening: AÂsystematic review. Breast, 2015, 24, 354-363.	2.2	30
17	Coronary artery calcium: A technical argument for a new scoring method. Journal of Cardiovascular Computed Tomography, 2019, 13, 347-352.	1.3	30
18	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.	2.8	30

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19	Feasibility of Noninvasive Temperature Assessment During Radiofrequency Liver Ablation on Computed Tomography. Journal of Computer Assisted Tomography, 2011, 35, 356-360.	0.9	29
20	Small Irregular Pulmonary Nodules in Low-Dose CT: Observer Detection Sensitivity and Volumetry Accuracy. American Journal of Roentgenology, 2014, 202, W202-W209.	2.2	27
21	Influence of heart rate on coronary calcium scores: a multi-manufacturer phantom study. International Journal of Cardiovascular Imaging, 2018, 34, 959-966.	1.5	25
22	Breast Cancer Incidence After Risk-Reducing Salpingo-Oophorectomy in BRCA1 and BRCA2 Mutation Carriers. Cancer Prevention Research, 2012, 5, 1291-1297.	1.5	24
23	Quantitative Comparison of Commercial and Non-Commercial Metal Artifact Reduction Techniques in Computed Tomography. PLoS ONE, 2015, 10, e0127932.	2.5	23
24	Coronary calcium scoring with partial volume correction in anthropomorphic thorax phantom and screening chest CT images. PLoS ONE, 2018, 13, e0209318.	2.5	23
25	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.	3.0	22
26	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.	2.6	22
27	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.	1.3	21
28	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.	0.9	20
29	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.	4.5	20
30	Comparison of MRI, 64-slice MDCT and DSCT in assessing functional cardiac parameters of a moving heart phantom. European Radiology, 2009, 19, 577-583.	4.5	20
31	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.	2.6	20
32	Feasibility and accuracy of tissue characterization with dual source computed tomography. Physica Medica, 2012, 28, 25-32.	0.7	20
33	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.	0.8	20
34	Diagnostic Accuracy of Computed Tomography to Exclude Pheochromocytoma: A Systematic Review, Meta-analysis, and Cost Analysis. Mayo Clinic Proceedings, 2019, 94, 2040-2052.	3.0	20
35	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.	2.8	19
36	Relative electron density determination using a physics based parameterization of photon interactions in medical DECT. Physics in Medicine and Biology, 2015, 60, 3825-3846.	3.0	19

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37	Is Ultrasound an Accurate Alternative for Mammography in Breast Cancer Screening in an Asian Population? A Meta-Analysis. Diagnostics, 2020, 10, 985.	2.6	19
38	Can nontriggered thoracic CT be used for coronary artery calcium scoring? A phantom study. Medical Physics, 2013, 40, 081915.	3.0	18
39	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.	6.4	18
40	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.	7.7	18
41	Quantification of abdominal aortic calcification: Inherent measurement errors in current computed tomography imaging. PLoS ONE, 2018, 13, e0193419.	2.5	18
42	64 slice MDCT generally underestimates coronary calcium scores as compared to EBT: A phantom study. Medical Physics, 2007, 34, 3510-3519.	3.0	17
43	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.	4.5	17
44	Assessment of thermal sensitivity of CT during heating of liver: anex vivostudy. British Journal of Radiology, 2012, 85, e661-e665.	2.2	17
45	Feasibility of spectral shaping for detection and quantification of coronary calcifications in ultra-low dose CT. European Radiology, 2017, 27, 2047-2054.	4.5	17
46	Motion-corrected coronary calcium scores by a convolutional neural network: a robotic simulating study. European Radiology, 2020, 30, 1285-1294.	4.5	17
47	Fully automated quantification method (FQM) of coronary calcium in an anthropomorphic phantom. Medical Physics, 2021, 48, 3730-3740.	3.0	17
48	Automated bone removal in CT angiography: Comparison of methods based on single energy and dual energy scans. Medical Physics, 2011, 38, 6128-6137.	3.0	16
49	Calcium score of small coronary calcifications on multidetector computed tomography: Results from a static phantom study. European Journal of Radiology, 2013, 82, e58-e63.	2.6	16
50	Coronary calcium scores are systematically underestimated at a large chest size: A multivendor phantom study. Journal of Cardiovascular Computed Tomography, 2015, 9, 415-421.	1.3	16
51	Lung Nodule Detectability of Artificial Intelligence-assisted CT Image Reading in Lung Cancer Screening. Current Medical Imaging, 2022, 18, 327-334.	0.8	16
52	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.	2.2	15
53	Threshold adjusted calcium scoring using CT is less susceptible to cardiac motion and more accurate. Medical Physics, 2009, 36, 438-446.	3.0	14
54	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.	1.5	14

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55	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
56	A modelling study to evaluate the costs and effects of lowering the starting age of population breast cancer screening. Maturitas, 2018, 109, 81-88.	2.4	14
57	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.	1.8	13
58	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.	4.5	13
59	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.	1.5	12
60	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.	1.5	12
61	Quantitative imaging: systematic review of perfusion/flow phantoms. European Radiology Experimental, 2020, 4, 15.	3.4	12
62	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.	1.5	12
63	Mammographic sensitivity as a function of tumor size: A novel estimation based on population-based screening data. Breast, 2021, 55, 69-74.	2.2	11
64	Detectability of motions in AAA with ECGâ€gated CTA: A quantitative study. Medical Physics, 2009, 36, 4616-4624.	3.0	10
65	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.	1.3	10
66	Coronary Artery Calcium Scoring. Investigative Radiology, 2022, 57, 13-22.	6.2	10
67	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.	2.2	10
68	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.	1.5	9
69	The cost-effectiveness of digital breast tomosynthesis in a population breast cancer screening program. European Radiology, 2020, 30, 5437-5445.	4.5	9
70	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.	2.8	9
71	Accuracy of Noninvasive Coronary Stenosis Quantification of Different Commercially Available Dedicated Software Packages. Journal of Computer Assisted Tomography, 2009, 33, 505-512.	0.9	8
72	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.	2.2	8

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73	[18F]FDG Uptake in Adipose Tissue Is Not Related to Inflammation in Type 2 Diabetes Mellitus. Molecular Imaging and Biology, 2021, 23, 117-126.	2.6	8
74	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.	2.6	7
75	A Mossbauer study on solid krypton precipitates in aluminium. Journal of Physics Condensed Matter, 1993, 5, 3541-3554.	1.8	6
76	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.	4.5	6
77	Krypton incorporation in sputtered silicon films. Hyperfine Interactions, 1993, 79, 669-674.	0.5	5
78	Kr incorporation in sputtered amorphous Si layers. Journal of Applied Physics, 1995, 77, 3467-3478.	2.5	5
79	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.	4.5	5
80	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, , .	0.9	5
81	Development of a dynamic myocardial perfusion phantom model for tracer kinetic measurements. EJNMMI Physics, 2022, 9, 31.	2.7	5
82	Quantitative image analysis for the detection of motion artefacts in coronary artery computed tomography. International Journal of Cardiovascular Imaging, 2010, 26, 77-87.	1.5	4
83	The Cumulative Risk of Multiple CT Exposures Using Two Different Methods. Health Physics, 2014, 106, 475-483.	0.5	4
84	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.	2.8	4
85	The retention of krypton in polycrystalline silicon during high-temperature annealing. Philosophical Magazine Letters, 1994, 70, 241-245.	1.2	3
86	Circumference as an alternative for diameter measurement in endovascular aneurysm repair. Medical Hypotheses, 2015, 85, 230-233.	1.5	3
87	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.	1.0	3
88	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.	2.7	3
89	Determinants of Population-Based Cancer Screening Performance at Primary Healthcare Institutions in China. International Journal of Environmental Research and Public Health, 2021, 18, 3312.	2.6	2
90	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.	2.7	2

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91	Cost-effectiveness of lung cancer screening by low-dose CT in China: a micro-simulation study. Journal of the National Cancer Center, 2021, , .	7.4	2
92	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.	2.6	2
93	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.	2.1	2
94	Highly pressurized Kr agglomerates in sputtered Si films. Thin Solid Films, 1994, 241, 12-15.	1.8	1
95	Diagnostic quality of time-averaged ECG-gated CT data. Proceedings of SPIE, 2009, , .	0.8	1
96	Molecular dynamics simulation of the lattice dynamics of solid Kr. Computational Materials Science, 1994, 2, 308-318.	3.0	0
97	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
98	Correspondence â€“ Reply to THEBREAST-D-15-702. Breast, 2016, 27, 184-185.	2.2	0
99	OC-0091: Prognostic value of calcium score in breast cancer patients treated with radiotherapy. Radiotherapy and Oncology, 2018, 127, S48-S49.	0.6	0
100	18F-Fdg Uptake In Visceral Adipose Tissue Is Inversely Associated To Insulin Resistance And Adiponectin. Atherosclerosis, 2019, 287, e130.	0.8	0