

Rozemarijn Vliegenthart

List of Publications by Year in descending order

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166
papers

8,174
citations

101543

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84
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169
all docs

169
docs citations

169
times ranked

9001
citing authors

#	ARTICLE	IF	CITATIONS
1	Reduced Lung-Cancer Mortality with Volume CT Screening in a Randomized Trial. <i>New England Journal of Medicine</i> , 2020, 382, 503-513.	27.0	1,836
2	Coronary Calcification Improves Cardiovascular Risk Prediction in the Elderly. <i>Circulation</i> , 2005, 112, 572-577.	1.6	498
3	European position statement on lung cancer screening. <i>Lancet Oncology</i> , The, 2017, 18, e754-e766.	10.7	428
4	Lung cancer probability in patients with CT-detected pulmonary nodules: a prespecified analysis of data from the NELSON trial of low-dose CT screening. <i>Lancet Oncology</i> , The, 2014, 15, 1332-1341.	10.7	424
5	Evaluation of Newer Risk Markers for Coronary Heart Disease Risk Classification. <i>Annals of Internal Medicine</i> , 2012, 156, 438.	3.9	330
6	Detection of lung cancer through low-dose CT screening (NELSON): a prespecified analysis of screening test performance and interval cancers. <i>Lancet Oncology</i> , The, 2014, 15, 1342-1350.	10.7	294
7	Final screening round of the NELSON lung cancer screening trial: the effect of a 2.5-year screening interval. <i>Thorax</i> , 2017, 72, 48-56.	5.6	212
8	Volumetric computed tomography screening for lung cancer: three rounds of the NELSON trial. <i>European Respiratory Journal</i> , 2013, 42, 1659-1667.	6.7	190
9	Occurrence and lung cancer probability of new solid nodules at incidence screening with low-dose CT: analysis of data from the randomised, controlled NELSON trial. <i>Lancet Oncology</i> , The, 2016, 17, 907-916.	10.7	183
10	Accuracy of iodine quantification using dual energy CT in latest generation dual source and dual layer CT. <i>European Radiology</i> , 2017, 27, 3904-3912.	4.5	150
11	Identification of Chronic Obstructive Pulmonary Disease in Lung Cancer Screening Computed Tomographic Scans. <i>JAMA - Journal of the American Medical Association</i> , 2011, 306, 1775-81.	7.4	123
12	CT and MR imaging prior to transcatheter aortic valve implantation: standardisation of scanning protocols, measurements and reportingâ€”a consensus document by the European Society of Cardiovascular Radiology (ESCR). <i>European Radiology</i> , 2020, 30, 2627-2650.	4.5	123
13	Towards a close computed tomography monitoring approach for screen detected subsolid pulmonary nodules?. <i>European Respiratory Journal</i> , 2015, 45, 765-773.	6.7	98
14	Coronary artery calcium screening: current status and recommendations from the European Society of Cardiac Radiology and North American Society for Cardiovascular Imaging. <i>European Radiology</i> , 2008, 18, 2785-2807.	4.5	93
15	Dual-Energy CT of the Heart. <i>American Journal of Roentgenology</i> , 2012, 199, S54-S63.	2.2	93
16	Hybrid cardiac imaging using PET/MRI: a joint position statement by the European Society of Cardiovascular Radiology (ESCR) and the European Association of Nuclear Medicine (EANM). <i>European Radiology</i> , 2018, 28, 4086-4101.	4.5	80
17	Risk factors for coronary calcification in older subjects The Rotterdam Coronary Calcification Study. <i>European Heart Journal</i> , 2004, 25, 48-55.	2.2	75
18	Alcohol Consumption and Risk of Peripheral Arterial Disease : The Rotterdam Study. <i>American Journal of Epidemiology</i> , 2002, 155, 332-338.	3.4	69

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19	Relationship between nodule count and lung cancer probability in baseline CT lung cancer screening: The NELSON study. <i>Lung Cancer</i> , 2017, 113, 45-50.	2.0	64
20	Diagnosis of chronic obstructive pulmonary disease in lung cancer screening Computed Tomography scans: independent contribution of emphysema, air trapping and bronchial wall thickening. <i>Respiratory Research</i> , 2013, 14, 59.	3.6	63
21	Disagreement of diameter and volume measurements for pulmonary nodule size estimation in CT lung cancer screening. <i>Thorax</i> , 2018, 73, 779-781.	5.6	62
22	The dream of a one-stop-shop: Meta-analysis on myocardial perfusion CT. <i>European Journal of Radiology</i> , 2015, 84, 2411-2420.	2.6	61
23	Detection and size measurements of pulmonary nodules in ultra-low-dose CT with iterative reconstruction compared to low dose CT. <i>European Journal of Radiology</i> , 2016, 85, 564-570.	2.6	57
24	Deep Learning Reconstruction Shows Better Lung Nodule Detection for Ultra-“Low-Dose Chest CT. <i>Radiology</i> , 2022, 303, 202-212.	7.3	55
25	Risk stratification based on screening history: the NELSON lung cancer screening study. <i>Thorax</i> , 2017, 72, 819-824.	5.6	54
26	Skin Autofluorescence, a Non-Invasive Marker for AGE Accumulation, Is Associated with the Degree of Atherosclerosis. <i>PLoS ONE</i> , 2013, 8, e83084.	2.5	52
27	Quantification of coronary artery calcium in nongated CT to predict cardiovascular events in male lung cancer screening participants: Results of the NELSON study. <i>Journal of Cardiovascular Computed Tomography</i> , 2015, 9, 50-57.	1.3	52
28	Airway wall thickness associated with forced expiratory volume in 1 second decline and development of airflow limitation. <i>European Respiratory Journal</i> , 2015, 45, 644-651.	6.7	50
29	Mammographic detection of breast arterial calcification as an independent predictor of coronary atherosclerotic disease in a single ethnic cohort of African American women. <i>Atherosclerosis</i> , 2015, 242, 218-221.	0.8	50
30	Alcohol Consumption and Coronary Calcification in a General Population. <i>Archives of Internal Medicine</i> , 2004, 164, 2355.	3.8	47
31	Accuracy of Noncontrast Quiescent-Interval Single-Shot Lower Extremity MR Angiography Versus CT Angiography for Diagnosis of Peripheral Artery Disease. <i>JACC: Cardiovascular Imaging</i> , 2017, 10, 1116-1124.	5.3	47
32	CT of Coronary Heart Disease: Part 1, CT of Myocardial Infarction, Ischemia, and Viability. <i>American Journal of Roentgenology</i> , 2012, 198, 531-547.	2.2	44
33	Comparison of three software systems for semi-automatic volumetry of pulmonary nodules on baseline and follow-up CT examinations. <i>Acta Radiologica</i> , 2014, 55, 691-698.	1.1	44
34	Screening for cardiovascular disease risk using traditional risk factor assessment or coronary artery calcium scoring: the ROBINSCA trial. <i>European Heart Journal Cardiovascular Imaging</i> , 2020, 21, 1216-1224.	1.2	43
35	New Subsolid Pulmonary Nodules in Lung Cancer Screening: The NELSON Trial. <i>Journal of Thoracic Oncology</i> , 2018, 13, 1410-1414.	1.1	42
36	Automated plaque analysis for the prognostication of major adverse cardiac events. <i>European Journal of Radiology</i> , 2019, 116, 76-83.	2.6	41

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37	Is the coronary artery calcium score associated with acute coronary events in breast cancer patients treated with radiotherapy?. <i>Radiotherapy and Oncology</i> , 2018, 126, 170-176.	0.6	40
38	Relationship between the number of new nodules and lung cancer probability in incidence screening rounds of CT lung cancer screening: The NELSON study. <i>Lung Cancer</i> , 2018, 125, 103-108.	2.0	39
39	Robotic versus Freehand Needle Positioning in CT-guided Ablation of Liver Tumors: A Randomized Controlled Trial. <i>Radiology</i> , 2019, 290, 826-832.	7.3	39
40	Inhibition of Interleukin-6 Receptor in a Murine Model of Myocardial Ischemia-Reperfusion. <i>PLoS ONE</i> , 2016, 11, e0167195.	2.5	39
41	Towards reference values of pericoronary adipose tissue attenuation: impact of coronary artery and tube voltage in coronary computed tomography angiography. <i>European Radiology</i> , 2020, 30, 6838-6846.	4.5	38
42	Coronary Computed Tomographic Angiography-Derived Fractional Flow Reserve Based on Machine Learning for Risk Stratification of Non-Culprit Coronary Narrowings in Patients with Acute Coronary Syndrome. <i>American Journal of Cardiology</i> , 2017, 120, 1260-1266.	1.6	37
43	Dynamic Myocardial Perfusion CT for the Detection of Hemodynamically Significant Coronary Artery Disease. <i>JACC: Cardiovascular Imaging</i> , 2022, 15, 75-87.	5.3	37
44	Absolute Versus Relative Myocardial Blood Flow by Dynamic CT Myocardial Perfusion Imaging in Patients With Anatomic Coronary Artery Disease. <i>American Journal of Roentgenology</i> , 2015, 205, W67-W72.	2.2	36
45	Coronary Artery Calcium Imaging in the ROBINSCA Trial. <i>Academic Radiology</i> , 2018, 25, 118-128.	2.5	36
46	Acute adverse events in cardiac MR imaging with gadolinium-based contrast agents: results from the European Society of Cardiovascular Radiology (ESCR) MRCT Registry in 72,839 patients. <i>European Radiology</i> , 2019, 29, 3686-3695.	4.5	36
47	Characteristics of new solid nodules detected in incidence screening rounds of low-dose CT lung cancer screening: the NELSON study. <i>Thorax</i> , 2018, 73, 741-747.	5.6	35
48	The relationship between applied energy and ablation zone volume in patients with hepatocellular carcinoma and colorectal liver metastasis. <i>European Radiology</i> , 2018, 28, 3228-3236.	4.5	35
49	Coronary Computed Tomographic Angiography-Derived Fractional Flow Reserve for Therapeutic Decision Making. <i>American Journal of Cardiology</i> , 2017, 120, 2121-2127.	1.6	34
50	Imaging the myocardial ischemic cascade. <i>International Journal of Cardiovascular Imaging</i> , 2018, 34, 1249-1263.	1.5	34
51	Screening for Early Lung Cancer, Chronic Obstructive Pulmonary Disease, and Cardiovascular Disease (the Big-3) Using Low-dose Chest Computed Tomography. <i>Journal of Thoracic Imaging</i> , 2019, 34, 160-169.	1.5	34
52	Early imaging biomarkers of lung cancer, COPD and coronary artery disease in the general population: rationale and design of the ImaLife (Imaging in Lifelines) Study. <i>European Journal of Epidemiology</i> , 2020, 35, 75-86.	5.7	32
53	Caffeine intake inverts the effect of adenosine on myocardial perfusion during stress as measured by T1 mapping. <i>International Journal of Cardiovascular Imaging</i> , 2016, 32, 1545-1553.	1.5	31
54	Quantification of growth patterns of screen-detected lung cancers: The NELSON study. <i>Lung Cancer</i> , 2017, 108, 48-54.	2.0	31

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55	Quantitative myocardial perfusion evaluation with positron emission tomography and the risk of cardiovascular events in patients with coronary artery disease: a systematic review of prognostic studies. <i>European Heart Journal Cardiovascular Imaging</i> , 2018, 19, 1179-1187.	1.2	31
56	Influence of lung nodule margin on volume- and diameter-based reader variability in CT lung cancer screening. <i>British Journal of Radiology</i> , 2018, 91, 20170405.	2.2	31
57	3D radiomics predicts EGFR mutation, exon-19 deletion and exon-21 L858R mutation in lung adenocarcinoma. <i>Translational Lung Cancer Research</i> , 2020, 9, 1212-1224.	2.8	31
58	Lung cancer occurrence attributable to passive smoking among never smokers in China: a systematic review and meta-analysis. <i>Translational Lung Cancer Research</i> , 2020, 9, 204-217.	2.8	30
59	Dynamic CT myocardial perfusion imaging identifies early perfusion abnormalities in diabetes and hypertension: Insights from a multicenter registry. <i>Journal of Cardiovascular Computed Tomography</i> , 2016, 10, 301-308.	1.3	29
60	Approaches to ultra-low radiation dose coronary artery calcium scoring based on 3rd generation dual-source CT: A phantom study. <i>European Journal of Radiology</i> , 2016, 85, 39-47.	2.6	29
61	Accuracy and Radiation Dose Reduction Using Low-Voltage Computed Tomography Coronary Artery Calcium Scoring With Tin Filtration. <i>American Journal of Cardiology</i> , 2017, 119, 675-680.	1.6	28
62	Discriminating dominant computed tomography phenotypes in smokers without or with mild COPD. <i>Respiratory Medicine</i> , 2014, 108, 136-143.	2.9	26
63	Feasibility of extracellular volume quantification using dual-energy CT. <i>Journal of Cardiovascular Computed Tomography</i> , 2019, 13, 81-84.	1.3	26
64	Cardiac imaging procedures and the COVID-19 pandemic: recommendations of the European Society of Cardiovascular Radiology (ESCR). <i>International Journal of Cardiovascular Imaging</i> , 2020, 36, 1801-1810.	1.5	25
65	Simultaneous Identification of EGFR, KRAS, ERBB2, and TP53 Mutations in Patients with Non-Small Cell Lung Cancer by Machine Learning-Derived Three-Dimensional Radiomics. <i>Cancers</i> , 2021, 13, 1814.	3.7	24
66	Myocardial Late Gadolinium Enhancement: Accuracy of T1 Mapping-based Synthetic Inversion-Recovery Imaging. <i>Radiology</i> , 2016, 278, 374-382.	7.3	23
67	Airway wall thickness on HRCT scans decreases with age and increases with smoking. <i>BMC Pulmonary Medicine</i> , 2017, 17, 27.	2.0	23
68	Early Detection of Cardiovascular Changes After Radiotherapy for Breast Cancer: Protocol for a European Multicenter Prospective Cohort Study (MEDIRAD EARLY HEART Study). <i>JMIR Research Protocols</i> , 2018, 7, e178.	1.0	23
69	Coronary CT angiography-derived quantitative markers for predicting in-stent restenosis. <i>Journal of Cardiovascular Computed Tomography</i> , 2016, 10, 377-383.	1.3	22
70	Machine Learning and Deep Neural Networks Applications in Computed Tomography for Coronary Artery Disease and Myocardial Perfusion. <i>Journal of Thoracic Imaging</i> , 2020, 35, S58-S65.	1.5	22
71	Association between Chest CT-defined Emphysema and Lung Cancer: A Systematic Review and Meta-Analysis. <i>Radiology</i> , 2022, 304, 322-330.	7.3	22
72	The impact of dose reduction on the quantification of coronary artery calcifications and risk categorization: A systematic review. <i>Journal of Cardiovascular Computed Tomography</i> , 2018, 12, 352-363.	1.3	21

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73	Latest CT technologies in lung cancer screening: protocols and radiation dose reduction. <i>Translational Lung Cancer Research</i> , 2021, 10, 1154-1164.	2.8	21
74	Impact of Coronary Calcium Score on the Prevalence of Coronary Artery Stenosis on Dual Source CT Coronary Angiography in Caucasian Patients with an Intermediate Risk. <i>Academic Radiology</i> , 2012, 19, 1316-1323.	2.5	19
75	Computational quantitative flow ratio to assess functional severity of coronary artery stenosis. <i>International Journal of Cardiology</i> , 2018, 271, 36-41.	1.7	19
76	Machine learning in cardiovascular radiology: ESCR position statement on design requirements, quality assessment, current applications, opportunities, and challenges. <i>European Radiology</i> , 2021, 31, 3909-3922.	4.5	19
77	Focal pericoronary adipose tissue attenuation is related to plaque presence, plaque type, and stenosis severity in coronary CTA. <i>European Radiology</i> , 2021, 31, 7251-7261.	4.5	19
78	Ultra-low-dose CT combined with noise reduction techniques for quantification of emphysema in COPD patients: An intra-individual comparison study with standard-dose CT. <i>European Journal of Radiology</i> , 2021, 138, 109646.	2.6	19
79	Comparison of the Effect of Iterative Reconstruction versus Filtered Back Projection on Cardiac CT Postprocessing. <i>Academic Radiology</i> , 2014, 21, 318-324.	2.5	18
80	Persisting new nodules in incidence rounds of the NELSON CT lung cancer screening study. <i>Thorax</i> , 2019, 74, 247-253.	5.6	18
81	Feasibility of spectral shaping for detection and quantification of coronary calcifications in ultra-low dose CT. <i>European Radiology</i> , 2017, 27, 2047-2054.	4.5	17
82	Comparison of Veterans Affairs, Mayo, Brock classification models and radiologist diagnosis for classifying the malignancy of pulmonary nodules in Chinese clinical population. <i>Translational Lung Cancer Research</i> , 2019, 8, 605-613.	2.8	17
83	Computed Tomography Screening for Early Lung Cancer, COPD and Cardiovascular Disease in Shanghai: Rationale and Design of a Population-based Comparative Study. <i>Academic Radiology</i> , 2021, 28, 36-45.	2.5	17
84	Measurement of coronary calcium scores by electron beam computed tomography or exercise testing as initial diagnostic tool in low-risk patients with suspected coronary artery disease. <i>European Radiology</i> , 2008, 18, 244-252.	4.5	16
85	Coronary calcium scores are systematically underestimated at a large chest size: A multivendor phantom study. <i>Journal of Cardiovascular Computed Tomography</i> , 2015, 9, 415-421.	1.3	16
86	T1 reactivity as an imaging biomarker in myocardial tissue characterization discriminating normal, ischemic and infarcted myocardium. <i>International Journal of Cardiovascular Imaging</i> , 2019, 35, 1319-1325.	1.5	16
87	An Update on the European Lung Cancer Screening Trials and Comparison of Lung Cancer Screening Recommendations in Europe. <i>Journal of Thoracic Imaging</i> , 2019, 34, 65-71.	1.5	16
88	Deep learning for automated exclusion of cardiac CT examinations negative for coronary artery calcium. <i>European Journal of Radiology</i> , 2020, 129, 109114.	2.6	16
89	Deep learning-based pulmonary nodule detection: Effect of slab thickness in maximum intensity projections at the nodule candidate detection stage. <i>Computer Methods and Programs in Biomedicine</i> , 2020, 196, 105620.	4.7	16
90	High-pitch dual-source CT for coronary artery calcium scoring: A head-to-head comparison of non-triggered chest versus triggered cardiac acquisition. <i>Journal of Cardiovascular Computed Tomography</i> , 2021, 15, 65-72.	1.3	16

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91	Comparison of Epicardial Fat Volume by Computed Tomography in Black Versus White Patients With Acute Chest Pain. <i>American Journal of Cardiology</i> , 2014, 113, 422-428.	1.6	15
92	Smokers with emphysema and small airway disease on computed tomography have lower bone density. <i>International Journal of COPD</i> , 2016, 11, 1207.	2.3	15
93	Intermodel disagreement of myocardial blood flow estimation from dynamic CT perfusion imaging. <i>European Journal of Radiology</i> , 2019, 110, 175-180.	2.6	15
94	New Fissure-Attached Nodules in Lung Cancer Screening: A Brief Report From The NELSON Study. <i>Journal of Thoracic Oncology</i> , 2020, 15, 125-129.	1.1	15
95	Left and right ventricular myocardial deformation and late gadolinium enhancement: incremental prognostic value in amyloid light-chain amyloidosis. <i>Cardiovascular Diagnosis and Therapy</i> , 2020, 10, 470-480.	1.7	14
96	Human-recognizable CT image features of subsolid lung nodules associated with diagnosis and classification by convolutional neural networks. <i>European Radiology</i> , 2021, 31, 7303-7315.	4.5	14
97	Performance of a deep learning-based lung nodule detection system as an alternative reader in a Chinese lung cancer screening program. <i>European Journal of Radiology</i> , 2022, 146, 110068.	2.6	14
98	Coronary artery calcium in breast cancer survivors after radiation therapy. <i>International Journal of Cardiovascular Imaging</i> , 2017, 33, 1425-1431.	1.5	13
99	Development and evaluation of an auto-segmentation tool for the left anterior descending coronary artery of breast cancer patients based on anatomical landmarks. <i>Radiotherapy and Oncology</i> , 2019, 136, 15-20.	0.6	13
100	Pulmonary vein anatomy addressed by computed tomography and relation to success of second-generation cryoballoon ablation in paroxysmal atrial fibrillation. <i>Clinical Cardiology</i> , 2019, 42, 438-443.	1.8	13
101	The Relationship of Coronary Artery Calcium and Clinical Coronary Artery Disease with Cognitive Function: A Systematic Review and Meta-Analysis. <i>Journal of Atherosclerosis and Thrombosis</i> , 2020, 27, 934-958.	2.0	13
102	Prognostic value of CT-derived left atrial and left ventricular measures in patients with acute chest pain. <i>European Journal of Radiology</i> , 2017, 86, 163-168.	2.6	12
103	Relationship Between Pregnancy Complications and Subsequent Coronary Artery Disease Assessed by Coronary Computed Tomographic Angiography in Black Women. <i>Circulation: Cardiovascular Imaging</i> , 2019, 12, e008754.	2.6	12
104	Methods of computed tomography screening and management of lung cancer in Tianjin: design of a population-based cohort study. <i>Cancer Biology and Medicine</i> , 2019, 16, 181.	3.0	12
105	Gadolinium-based Contrast Agents for Cardiac MRI: Use of Linear and Macrocyclic Agents with Associated Safety Profile from 154 European Patients. <i>Radiology: Cardiothoracic Imaging</i> , 2020, 2, e200102.	2.5	12
106	Disagreement between splenic switch-off and myocardial T1-mapping after caffeine intake. <i>International Journal of Cardiovascular Imaging</i> , 2018, 34, 625-632.	1.5	11
107	Iodine quantification based on rest / stress perfusion dual energy CT to differentiate ischemic, infarcted and normal myocardium. <i>European Journal of Radiology</i> , 2019, 112, 136-143.	2.6	11
108	Low CT temporal sampling rates result in a substantial underestimation of myocardial blood flow measurements. <i>International Journal of Cardiovascular Imaging</i> , 2019, 35, 539-547.	1.5	11

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109	Potential for dose reduction in CT emphysema densitometry with post-scan noise reduction: a phantom study. <i>British Journal of Radiology</i> , 2020, 93, 20181019.	2.2	11
110	Can we increase efficiency of CT lung cancer screening by combining with CVD and COPD screening? Results of an early economic evaluation. <i>European Radiology</i> , 2022, 32, 3067-3075.	4.5	11
111	Development of an <i>Ex Vivo</i> , Beating Heart Model for CT Myocardial Perfusion. <i>BioMed Research International</i> , 2015, 2015, 1-8.	1.9	10
112	Dose reduction techniques in coronary calcium scoring: The effect of iterative reconstruction combined with low tube voltage on calcium scores in a thoracic phantom. <i>European Journal of Radiology</i> , 2017, 93, 229-235.	2.6	10
113	Public Preferences for Lung Cancer Screening Policies. <i>Value in Health</i> , 2017, 20, 961-968.	0.3	10
114	High-pitch versus sequential mode for coronary calcium in individuals with a high heart rate: Potential for dose reduction. <i>Journal of Cardiovascular Computed Tomography</i> , 2018, 12, 298-304.	1.3	10
115	Clinical characteristics and work-up of small to intermediate-sized pulmonary nodules in a Chinese dedicated cancer hospital. <i>Cancer Biology and Medicine</i> , 2020, 17, 199-207.	3.0	10
116	Radiation Dose Levels of Retrospectively ECG-Gated Coronary CT Angiography Using 70-kVp Tube Voltage in Patients with High or Irregular Heart Rates. <i>Academic Radiology</i> , 2017, 24, 30-37.	2.5	9
117	Management of Progressive Pulmonary Nodules Found During and outside of CT Lung Cancer Screening Studies. <i>Journal of Thoracic Oncology</i> , 2017, 12, 1755-1765.	1.1	9
118	Measuring pulmonary function in COPD using quantitative chest computed tomography analysis. <i>European Respiratory Review</i> , 2021, 30, 210031.	7.1	9
119	Cardiovascular Risk Factors and Coronary Calcification in a Middle-aged Dutch Population. <i>Journal of Thoracic Imaging</i> , 2021, 36, 174-180.	1.5	9
120	COPD identification and grading based on deep learning of lung parenchyma and bronchial wall in chest CT images. <i>British Journal of Radiology</i> , 2022, 95, 20210637.	2.2	9
121	Follow-up of CT-derived airway wall thickness: Correcting for changes in inspiration level improves reliability. <i>European Journal of Radiology</i> , 2016, 85, 2008-2013.	2.6	8
122	Analysis of myocardial perfusion parameters in an ex-vivo porcine heart model using third generation dual-source CT. <i>Journal of Cardiovascular Computed Tomography</i> , 2017, 11, 141-147.	1.3	8
123	Validation of myocardial perfusion quantification by dynamic CT in an ex-vivo porcine heart model. <i>International Journal of Cardiovascular Imaging</i> , 2017, 33, 1821-1830.	1.5	8
124	Quality and safety of coronary computed tomography angiography at academic and non-academic sites: insights from a large European registry (ESCR MR/CT Registry). <i>European Radiology</i> , 2022, 32, 5246-5255.	4.5	8
125	Effect of inversion time on the precision of myocardial late gadolinium enhancement quantification evaluated with synthetic inversion recovery MR imaging. <i>European Radiology</i> , 2017, 27, 3235-3243.	4.5	7
126	Coronary artery calcium quantification on first, second and third generation dual source CT: A comparison study. <i>Journal of Cardiovascular Computed Tomography</i> , 2017, 11, 444-448.	1.3	7

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127	A Subsolid Nodules Imaging Reporting System (SSN-IRS) for Classifying 3 Subtypes of Pulmonary Adenocarcinoma. <i>Clinical Lung Cancer</i> , 2020, 21, 314-325.e4.	2.6	7
128	Accurate late gadolinium enhancement prediction by early T1- based quantitative synthetic mapping. <i>European Radiology</i> , 2018, 28, 844-850.	4.5	6
129	Assessing Lung Cancer Screening Programs under Uncertainty in a Heterogeneous Population. <i>Value in Health</i> , 2018, 21, 1269-1277.	0.3	6
130	Community-based lung cancer screening by low-dose computed tomography in China: First round results and a meta-analysis. <i>European Journal of Radiology</i> , 2021, 144, 109988.	2.6	6
131	The Diagnostic and Prognostic Value of Coronary Calcium Scoring in Stable Chest Pain Patients: A Narrative Review. <i>RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren</i> , 2022, 194, 257-265.	1.3	6
132	Machine-learning-based radiomics identifies atrial fibrillation on the epicardial fat in contrast-enhanced and non-enhanced chest CT. <i>British Journal of Radiology</i> , 2022, 95, 20211274.	2.2	6
133	Hemodynamic significance of coronary stenosis by vessel attenuation measurement on CT compared with adenosine perfusion MRI. <i>European Journal of Radiology</i> , 2015, 84, 92-99.	2.6	5
134	Computed Tomographyâ€Derived Parameters of Myocardial Morphology and Function in Black and White Patients With Acute Chest Pain. <i>American Journal of Cardiology</i> , 2016, 117, 333-339.	1.6	5
135	Assessment of Dynamic Change of Coronary Artery Geometry and Its Relationship to Coronary Artery Disease, Based on Coronary CT Angiography. <i>Journal of Digital Imaging</i> , 2020, 33, 480-489.	2.9	5
136	Coronary Artery Calcium and Cognitive Function in Dutch Adults: Cross-sectional Results of the Population-based ImLife Study. <i>Journal of the American Heart Association</i> , 2021, 10, e018172.	3.7	5
137	HRCT characteristics of severe emphysema patients: Interobserver variability among expert readers and comparison with quantitative software. <i>European Journal of Radiology</i> , 2021, 136, 109561.	2.6	5
138	Machine-Learning-Derived Nomogram Based on 3D Radiomic Features and Clinical Factors Predicts Progression-Free Survival in Lung Adenocarcinoma. <i>Frontiers in Oncology</i> , 2021, 11, 692329.	2.8	5
139	Validation of separate multi-atlases for auto segmentation of cardiac substructures in CT-scans acquired in deep inspiration breath hold and free breathing. <i>Radiotherapy and Oncology</i> , 2021, 163, 46-54.	0.6	5
140	Bronchial wall parameters on CT in healthy never-smoking, smoking, COPD, and asthma populations: a systematic review and meta-analysis. <i>European Radiology</i> , 2022, 32, 5308-5318.	4.5	5
141	Late cardiac toxicity of neo-adjuvant chemoradiation in esophageal cancer survivors: a prospective cross-sectional pilot study. <i>Radiotherapy and Oncology</i> , 2021, , .	0.6	4
142	Early detection of obstructive coronary artery disease in the asymptomatic high-risk population: objectives and study design of the EARLY-SYNERGY trial. <i>American Heart Journal</i> , 2022, 246, 166-177.	2.7	4
143	Evaluation of spirometry-gated computed tomography to measure lung volumes in emphysema patients. <i>ERJ Open Research</i> , 2022, 8, 00492-2021.	2.6	4
144	Pre-screening to guide coronary artery calcium scoring for early identification of high-risk individuals in the general population. <i>European Heart Journal Cardiovascular Imaging</i> , 2022, 24, 27-35.	1.2	4

#	ARTICLE	IF	CITATIONS
145	Low-dose CT for lung cancer screening – Authors' reply. <i>Lancet Oncology</i> , The, 2018, 19, e135-e136.	10.7	3
146	Seasonal prevalence and characteristics of low-dose CT detected lung nodules in a general Dutch population. <i>Scientific Reports</i> , 2021, 11, 9139.	3.3	3
147	Creating a training set for artificial intelligence from initial segmentations of airways. <i>European Radiology Experimental</i> , 2021, 5, 54.	3.4	3
148	AI-Driven Model for Automatic Emphysema Detection in Low-Dose Computed Tomography Using Disease-Specific Augmentation. <i>Journal of Digital Imaging</i> , 2022, 35, 538-550.	2.9	3
149	Multi-Modality Imaging for Prevention of Coronary Artery Disease and Myocardial Infarction in the General Population: Ready for Prime Time?. <i>Journal of Clinical Medicine</i> , 2022, 11, 2965.	2.4	3
150	CT characteristics of solid pulmonary nodules of never smokers versus smokers: A population-based study. <i>European Journal of Radiology</i> , 2022, 154, 110410.	2.6	3
151	Correction of lumen contrast-enhancement influence on non-calcified coronary atherosclerotic plaque quantification on CT. <i>International Journal of Cardiovascular Imaging</i> , 2015, 31, 429-436.	1.5	2
152	Optimization of CT windowing for diagnosing invasiveness of adenocarcinoma presenting as sub-solid nodules. <i>European Journal of Radiology</i> , 2020, 128, 108981.	2.6	2
153	Lung cancer screening with low-dose CT: Simulating the effect of starting screening at a younger age in women. <i>European Journal of Radiology</i> , 2022, 148, 110182.	2.6	2
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156	Association of epicardial adipose tissue with different stages of coronary artery disease: A cross-sectional UK Biobank cardiovascular magnetic resonance imaging substudy. <i>IJC Heart and Vasculature</i> , 2022, 40, 101006.	1.1	1
157	Airflow Limitation Increases Lung Cancer Risk in Smokers: The Lifelines Cohort Study. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2022, 31, 1442-1449.	2.5	1
158	Coronary Calcification Detected by Electron-Beam Computed Tomography and Coronary Heart Disease: The Rotterdam Study.. <i>Circulation</i> , 2001, 103, 1355-1355.	1.6	1
159	Feasibility of bronchial wall quantification in low- and ultralow-dose third-generation dual-source CT: An ex vivo lung study. <i>Journal of Applied Clinical Medical Physics</i> , 2020, 21, 218-226.	1.9	0
160	Aortic regurgitation, a forgotten valve disease in hypertrophic cardiomyopathy?. <i>European Journal of Radiology</i> , 2020, 126, 108971.	2.6	0
161	Evaluation of a novel deep learning-based classifier for perifissural nodules. <i>European Radiology</i> , 2021, 31, 4023-4030.	4.5	0
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164	FFRCT and QFR: Ready to be used in clinical decision making?. Journal of Cardiovascular Computed Tomography, 2022, , .	1.3	0
165	Comparison of National Comprehensive Cancer Network and European Position Statement protocols for nodule management in low-dose computed tomography lung cancer screening in a general Chinese population. Journal of Thoracic Disease, 2021, 13, 6855-6865.	1.4	0
166	MO982: Determinants of Coronary Artery Calcium Score in Stable Kidney Transplant Recipients 12 Months After Transplantation. Nephrology Dialysis Transplantation, 2022, 37, .	0.7	0