

Rozemarijn Vliegenthart

List of Publications by Year in descending order

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166
papers

8,174
citations

101543

36
h-index

54911

84
g-index

169
all docs

169
docs citations

169
times ranked

9001
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	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
5	Deep Learning Reconstruction Shows Better Lung Nodule Detection for Ultra-“Low-Dose Chest CT. <i>Radiology</i> , 2022, 303, 202-212.	7.3	55
6	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
7	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
8	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
9	FFRCT and QFR: Ready to be used in clinical decision making?. <i>Journal of Cardiovascular Computed Tomography</i> , 2022, , .	1.3	0
10	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
11	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
12	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
13	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
14	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
15	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
16	Coronary calcium scoring as first-line test to detect and exclude coronary artery disease in patients presenting to the general practitioner with stable chest pain: protocol of the cluster-randomised CONCRETE trial. <i>BMJ Open</i> , 2022, 12, e055123.	1.9	2
17	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
18	MO982: Determinants of Coronary Artery Calcium Score in Stable Kidney Transplant Recipients 12 Months After Transplantation. <i>Nephrology Dialysis Transplantation</i> , 2022, 37, .	0.7	0

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19	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
20	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
21	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
22	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
23	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
24	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
25	Evaluation of a novel deep learning-based classifier for perifissural nodules. <i>European Radiology</i> , 2021, 31, 4023-4030.	4.5	0
26	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
27	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
28	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
29	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
30	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
31	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
32	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
33	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
34	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
35	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
36	Measuring pulmonary function in COPD using quantitative chest computed tomography analysis. <i>European Respiratory Review</i> , 2021, 30, 210031.	7.1	9

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37	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
38	A contrast-enhanced-CT-based classification tree model for classifying malignancy of solid lung tumors in a Chinese clinical population. <i>Journal of Thoracic Disease</i> , 2021, 13, 4407-4417.	1.4	1
39	Improved precision of noise estimation in CT with a volume-based approach. <i>European Radiology Experimental</i> , 2021, 5, 39.	3.4	0
40	CAD-RADS for Patients with Acute Chest Pain: A Step in the Right Direction. <i>Radiology</i> , 2021, 301, 91-92.	7.3	0
41	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
42	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
43	Creating a training set for artificial intelligence from initial segmentations of airways. <i>European Radiology Experimental</i> , 2021, 5, 54.	3.4	3
44	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
45	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. <i>Journal of Thoracic Disease</i> , 2021, 13, 6855-6865.	1.4	0
46	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
47	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
48	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
49	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
50	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
51	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
52	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
53	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
54	Feasibility of bronchial wall quantification in lowâ€•and ultralowâ€•dose thirdâ€•generation dualâ€•source CT: An ex vivo lung study. <i>Journal of Applied Clinical Medical Physics</i> , 2020, 21, 218-226.	1.9	0

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55	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
56	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
57	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
58	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
59	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
60	Aortic regurgitation, a forgotten valve disease in hypertrophic cardiomyopathy?. <i>European Journal of Radiology</i> , 2020, 126, 108971.	2.6	0
61	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
62	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
63	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
64	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
65	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
66	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
67	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
68	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
69	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
70	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
71	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
72	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

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73	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
74	Automated plaque analysis for the prognostication of major adverse cardiac events. <i>European Journal of Radiology</i> , 2019, 116, 76-83.	2.6	41
75	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
76	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
77	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
78	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
79	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
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	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
82	Feasibility of extracellular volume quantification using dual-energy CT. <i>Journal of Cardiovascular Computed Tomography</i> , 2019, 13, 81-84.	1.3	26
83	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
84	Low-dose CT for lung cancer screening – Authors' reply. <i>Lancet Oncology</i> , The, 2018, 19, e135-e136.	10.7	3
85	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
86	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
87	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
88	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
89	Imaging the myocardial ischemic cascade. <i>International Journal of Cardiovascular Imaging</i> , 2018, 34, 1249-1263.	1.5	34
90	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

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91	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
92	Influence of lung nodule margin on volume- and diameter-based reader variability in CT lung cancer screening. British Journal of Radiology, 2018, 91, 20170405.	2.2	31
93	Accurate late gadolinium enhancement prediction by early T1- based quantitative synthetic mapping. European Radiology, 2018, 28, 844-850.	4.5	6
94	Coronary Artery Calcium Imaging in the ROBINSCA Trial. Academic Radiology, 2018, 25, 118-128.	2.5	36
95	Disagreement of diameter and volume measurements for pulmonary nodule size estimation in CT lung cancer screening. Thorax, 2018, 73, 779-781.	5.6	62
96	Assessing Lung Cancer Screening Programs under Uncertainty in a Heterogeneous Population. Value in Health, 2018, 21, 1269-1277.	0.3	6
97	Relationship between the number of new nodules and lung cancer probability in incidence screening rounds of CT lung cancer screening: The NELSON study. Lung Cancer, 2018, 125, 103-108.	2.0	39
98	Computational quantitative flow ratio to assess functional severity of coronary artery stenosis. International Journal of Cardiology, 2018, 271, 36-41.	1.7	19
99	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
100	New Subsolid Pulmonary Nodules in Lung Cancer Screening: The NELSON Trial. Journal of Thoracic Oncology, 2018, 13, 1410-1414.	1.1	42
101	Disagreement between splenic switch-off and myocardial T1-mapping after caffeine intake. International Journal of Cardiovascular Imaging, 2018, 34, 625-632.	1.5	11
102	Early Detection of Cardiovascular Changes After Radiotherapy for Breast Cancer: Protocol for a European Multicenter Prospective Cohort Study (MEDIRAD EARLY HEART Study). JMIR Research Protocols, 2018, 7, e178.	1.0	23
103	Effect of inversion time on the precision of myocardial late gadolinium enhancement quantification evaluated with synthetic inversion recovery MR imaging. European Radiology, 2017, 27, 3235-3243.	4.5	7
104	Prognostic value of CT-derived left atrial and left ventricular measures in patients with acute chest pain. European Journal of Radiology, 2017, 86, 163-168.	2.6	12
105	Final screening round of the NELSON lung cancer screening trial: the effect of a 2.5-year screening interval. Thorax, 2017, 72, 48-56.	5.6	212
106	Accuracy of Noncontrast Quiescent-Interval Single-Shot Lower Extremity MR Angiography Versus CT Angiography for Diagnosis of Peripheral Artery Disease. JACC: Cardiovascular Imaging, 2017, 10, 1116-1124.	5.3	47
107	Analysis of myocardial perfusion parameters in an ex-vivo porcine heart model using third generation dual-source CT. Journal of Cardiovascular Computed Tomography, 2017, 11, 141-147.	1.3	8
108	Coronary artery calcium in breast cancer survivors after radiation therapy. International Journal of Cardiovascular Imaging, 2017, 33, 1425-1431.	1.5	13

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109	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
110	Risk stratification based on screening history: the NELSON lung cancer screening study. <i>Thorax</i> , 2017, 72, 819-824.	5.6	54
111	Quantification of growth patterns of screen-detected lung cancers: The NELSON study. <i>Lung Cancer</i> , 2017, 108, 48-54.	2.0	31
112	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
113	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
114	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
115	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
116	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
117	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
118	European position statement on lung cancer screening. <i>Lancet Oncology</i> , The, 2017, 18, e754-e766.	10.7	428
119	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
120	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
121	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
122	Airway wall thickness on HRCT scans decreases with age and increases with smoking. <i>BMC Pulmonary Medicine</i> , 2017, 17, 27.	2.0	23
123	Public Preferences for Lung Cancer Screening Policies. <i>Value in Health</i> , 2017, 20, 961-968.	0.3	10
124	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
125	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
126	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

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127	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
128	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
129	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
130	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
131	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
132	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
133	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
134	Myocardial Late Gadolinium Enhancement: Accuracy of T1 Mappingâ€‘based Synthetic Inversion-Recovery Imaging. <i>Radiology</i> , 2016, 278, 374-382.	7.3	23
135	Inhibition of Interleukin-6 Receptor in a Murine Model of Myocardial Ischemia-Reperfusion. <i>PLoS ONE</i> , 2016, 11, e0167195.	2.5	39
136	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
137	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
138	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
139	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
140	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
141	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
142	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
143	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
144	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

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145	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
146	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
147	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
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