

Matthijs Oudkerk

List of Publications by Year in descending order

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381
papers

24,880
citations

10351

72
h-index

9311

143
g-index

387
all docs

387
docs citations

387
times ranked

22405
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.	13.9	1,836
2	Cerebral white matter lesions and cognitive function: The Rotterdam scan study. <i>Annals of Neurology</i> , 2000, 47, 145-151.	2.8	855
3	Management of Lung Nodules Detected by Volume CT Scanning. <i>New England Journal of Medicine</i> , 2009, 361, 2221-2229.	13.9	758
4	Coronary angiography with multi-slice computed tomography. <i>Lancet, The</i> , 2001, 357, 599-603.	6.3	665
5	Coronary Calcification Improves Cardiovascular Risk Prediction in the Elderly. <i>Circulation</i> , 2005, 112, 572-577.	1.6	498
6	Incidence and Risk Factors of Silent Brain Infarcts in the Population-Based Rotterdam Scan Study. <i>Stroke</i> , 2003, 34, 392-396.	1.0	462
7	Cerebral white matter lesions and cognitive function: the Rotterdam Scan Study. <i>Annals of Neurology</i> , 2000, 47, 145-51.	2.8	451
8	Cerebral White Matter Lesions and the Risk of Dementia. <i>Archives of Neurology</i> , 2004, 61, 1531.	4.9	441
9	European position statement on lung cancer screening. <i>Lancet Oncology, The</i> , 2017, 18, e754-e766.	5.1	428
10	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, The</i> , 2014, 15, 1332-1341.	5.1	424
11	Prevalence and Risk Factors of Silent Brain Infarcts in the Population-Based Rotterdam Scan Study. <i>Stroke</i> , 2002, 33, 21-25.	1.0	416
12	Periventricular cerebral white matter lesions predict rate of cognitive decline. <i>Annals of Neurology</i> , 2002, 52, 335-341.	2.8	390
13	Cerebral White Matter Lesions and Depressive Symptoms in Elderly Adults. <i>Archives of General Psychiatry</i> , 2000, 57, 1071.	13.8	380
14	Evaluation of Newer Risk Markers for Coronary Heart Disease Risk Classification. <i>Annals of Internal Medicine</i> , 2012, 156, 438.	2.0	330
15	Homocysteine, silent brain infarcts, and white matter lesions: The Rotterdam scan study. <i>Annals of Neurology</i> , 2002, 51, 285-289.	2.8	320
16	Nodule management protocol of the NELSON randomised lung cancer screening trial. <i>Lung Cancer</i> , 2006, 54, 177-184.	0.9	313
17	Coronary Calcium Score Improves Classification of Coronary Heart Disease Risk in the Elderly. <i>Journal of the American College of Cardiology</i> , 2010, 56, 1407-1414.	1.2	309
18	Genetic loci associated with chronic obstructive pulmonary disease overlap with loci for lung function and pulmonary fibrosis. <i>Nature Genetics</i> , 2017, 49, 426-432.	9.4	306

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19	Comparison of contrast-enhanced magnetic resonance angiography and conventional pulmonary angiography for the diagnosis of pulmonary embolism: a prospective study. <i>Lancet</i> , The, 2002, 359, 1643-1647.	6.3	296
20	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.	5.1	294
21	The Association Between Blood Pressure, Hypertension, and Cerebral White Matter Lesions. <i>Hypertension</i> , 2004, 44, 625-630.	1.3	287
22	Genome-Wide Association Study for Coronary Artery Calcification With Follow-Up in Myocardial Infarction. <i>Circulation</i> , 2011, 124, 2855-2864.	1.6	269
23	Diagnosis, Prevention, and Treatment of Thromboembolic Complications in COVID-19: Report of the National Institute for Public Health of the Netherlands. <i>Radiology</i> , 2020, 297, E216-E222.	3.6	261
24	Automatic classification of pulmonary peri-fissural nodules in computed tomography using an ensemble of 2D views and a convolutional neural network out-of-the-box. <i>Medical Image Analysis</i> , 2015, 26, 195-202.	7.0	236
25	Lung cancer LDCT screening and mortality reduction "evidence, pitfalls and future perspectives. <i>Nature Reviews Clinical Oncology</i> , 2021, 18, 135-151.	12.5	234
26	First experiences in screening women at high risk for breast cancer with MR imaging. <i>Breast Cancer Research and Treatment</i> , 2000, 63, 53-60.	1.1	216
27	Automatic detection of subsolid pulmonary nodules in thoracic computed tomography images. <i>Medical Image Analysis</i> , 2014, 18, 374-384.	7.0	214
28	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.	2.7	212
29	Assessment of metastatic liver disease in patients with primary extrahepatic tumors by contrast-enhanced sonography versus CT and MRI. <i>World Journal of Gastroenterology</i> , 2006, 12, 1699.	1.4	202
30	Characteristics of Lung Cancers Detected by Computer Tomography Screening in the Randomized NELSON Trial. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2013, 187, 848-854.	2.5	202
31	Intracranial Aneurysms in Patients with Subarachnoid Hemorrhage: CT Angiography as a Primary Examination Tool for Diagnosis"Systematic Review and Meta-Analysis. <i>Radiology</i> , 2011, 258, 134-145.	3.6	192
32	Volumetric computed tomography screening for lung cancer: three rounds of the NELSON trial. <i>European Respiratory Journal</i> , 2013, 42, 1659-1667.	3.1	190
33	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.	5.1	183
34	Clinical Validity of a Normal Pulmonary Angiogram in Patients with Suspected Pulmonary Embolism"A Critical Review. <i>Clinical Radiology</i> , 2001, 56, 838-842.	0.5	174
35	A follow-up study of blood pressure and cerebral white matter lesions. <i>Annals of Neurology</i> , 1999, 46, 827-833.	2.8	172
36	Dobutamine Cardiovascular Magnetic Resonance for the Detection of Myocardial Ischemia With the Use of Myocardial Tagging. <i>Circulation</i> , 2003, 107, 1592-1597.	1.6	163

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37	NELSON lung cancer screening study. <i>Cancer Imaging</i> , 2011, 11, S79-S84.	1.2	162
38	The association between coronary calcification assessed by electron beam computed tomography and measures of extracoronary atherosclerosis. <i>Journal of the American College of Cardiology</i> , 2002, 39, 1745-1751.	1.2	154
39	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.	2.3	150
40	Validation and Prognosis of Coronary Artery Calcium Scoring in Nontriggered Thoracic Computed Tomography. <i>Circulation: Cardiovascular Imaging</i> , 2013, 6, 514-521.	1.3	145
41	Smooth or Attached Solid Indeterminate Nodules Detected at Baseline CT Screening in the NELSON Study: Cancer Risk during 1 Year of Follow-up. <i>Radiology</i> , 2009, 250, 264-272.	3.6	133
42	Effect of b value and pre-admission of contrast on diagnostic accuracy of 1.5-T breast DWI: a systematic review and meta-analysis. <i>European Radiology</i> , 2014, 24, 2835-2847.	2.3	128
43	¹ H chemical shift imaging reveals loss of brain tumor choline signal after administration of Gd-contrast. <i>Magnetic Resonance in Medicine</i> , 1997, 37, 222-225.	1.9	125
44	Intravenous Coronary Angiography by Electron Beam Computed Tomography. <i>Circulation</i> , 1998, 98, 2509-2512.	1.6	123
45	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.	3.8	123
46	Prospects for population screening and diagnosis of lung cancer. <i>Lancet, The</i> , 2013, 382, 732-741.	6.3	121
47	¹ H MR Spectroscopy in Patients with Metastatic Brain Tumors: A Multicenter Study. <i>Magnetic Resonance in Medicine</i> , 1995, 33, 818-826.	1.9	120
48	Comparing coronary artery calcium and thoracic aorta calcium for prediction of all-cause mortality and cardiovascular events on low-dose non-gated computed tomography in a high-risk population of heavy smokers. <i>Atherosclerosis</i> , 2010, 209, 455-462.	0.4	117
49	Association between blood pressure levels over time and brain atrophy in the elderly. <i>Neurobiology of Aging</i> , 2003, 24, 307-313.	1.5	110
50	Performance of computer-aided detection of pulmonary nodules in low-dose CT: comparison with double reading by nodule volume. <i>European Radiology</i> , 2012, 22, 2076-2084.	2.3	110
51	Aortic Atherosclerosis at Middle Age Predicts Cerebral White Matter Lesions in the Elderly. <i>Stroke</i> , 2000, 31, 425-429.	1.0	107
52	MR Coronary Angiography with Breath-hold Targeted Volumes: Preliminary Clinical Results. <i>Radiology</i> , 2000, 217, 270-277.	3.6	107
53	Stroke Is Associated With Coronary Calcification as Detected by Electron-Beam CT. <i>Stroke</i> , 2002, 33, 462-465.	1.0	107
54	Automatic Pulmonary Nodule Detection in CT Scans Using Convolutional Neural Networks Based on Maximum Intensity Projection. <i>IEEE Transactions on Medical Imaging</i> , 2020, 39, 797-805.	5.4	105

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55	Characterization of Liver Lesions with Mangafodipir Trisodium-enhanced MR Imaging: Multicenter Study Comparing MR and Dual-Phase Spiral CT. <i>Radiology</i> , 2002, 223, 517-524.	3.6	104
56	Genome-wide association study of coronary and aortic calcification implicates risk loci for coronary artery disease and myocardial infarction. <i>Atherosclerosis</i> , 2013, 228, 400-405.	0.4	100
57	Pulmonary Nodules Detected at Lung Cancer Screening: Interobserver Variability of Semiautomated Volume Measurements. <i>Radiology</i> , 2006, 241, 251-257.	3.6	99
58	Towards a close computed tomography monitoring approach for screen detected subsolid pulmonary nodules?. <i>European Respiratory Journal</i> , 2015, 45, 765-773.	3.1	98
59	Coronary artery calcium screening: current status and recommendations from the European Society of Cardiac Radiology and North American Society for Cardiovascular Imaging. <i>International Journal of Cardiovascular Imaging</i> , 2008, 24, 645-671.	0.7	94
60	European randomized lung cancer screening trials: Post NLST. <i>Journal of Surgical Oncology</i> , 2013, 108, 280-286.	0.8	94
61	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.	2.3	93
62	Dual-Energy CT of the Heart. <i>American Journal of Roentgenology</i> , 2012, 199, S54-S63.	1.0	93
63	Aortic stiffness is associated with atherosclerosis of the coronary arteries in older adults: the Rotterdam Study. <i>Journal of Hypertension</i> , 2006, 24, 2371-2376.	0.3	92
64	Automated Coronary Artery Calcification Scoring in Non-Gated Chest CT: Agreement and Reliability. <i>PLoS ONE</i> , 2014, 9, e91239.	1.1	90
65	Perfusion MR imaging for differentiation of benign and malignant meningiomas. <i>Neuroradiology</i> , 2008, 50, 525-530.	1.1	89
66	Lung Cancer Screening CT-Based Prediction of Cardiovascular Events. <i>JACC: Cardiovascular Imaging</i> , 2013, 6, 899-907.	2.3	89
67	Detection, visualization and evaluation of anomalous coronary anatomy on 16-slice multidetector-row CT. <i>European Radiology</i> , 2004, 14, 2163-2171.	2.3	88
68	Commonly Used Imaging Techniques for Diagnosis and Staging. <i>Journal of Clinical Oncology</i> , 2006, 24, 3234-3244.	0.8	84
69	1H MR Spectroscopy Detection of Lipids and Lactate in Metastatic Brain Tumors. , 1996, 9, 65-71.		82
70	The Female Advantage in Cardiovascular Disease: Do Vascular Beds Contribute Equally?. <i>American Journal of Epidemiology</i> , 2007, 166, 403-412.	1.6	82
71	Limited value of shape, margin and CT density in the discrimination between benign and malignant screen detected solid pulmonary nodules of the NELSON trial. <i>European Journal of Radiology</i> , 2008, 68, 347-352.	1.2	82
72	Computed tomographic characteristics of interval and post screen carcinomas in lung cancer screening. <i>European Radiology</i> , 2015, 25, 81-88.	2.3	80

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73	Optimisation of volume-doubling time cutoff for fast-growing lung nodules in CT lung cancer screening reduces false-positive referrals. <i>European Radiology</i> , 2013, 23, 1836-1845.	2.3	79
74	Lung cancer prediction by Deep Learning to identify benign lung nodules. <i>Lung Cancer</i> , 2021, 154, 1-4.	0.9	76
75	Risk factors for coronary calcification in older subjects The Rotterdam Coronary Calcification Study. <i>European Heart Journal</i> , 2004, 25, 48-55.	1.0	75
76	Effect of Nodule Characteristics on Variability of Semiautomated Volume Measurements in Pulmonary Nodules Detected in a Lung Cancer Screening Program. <i>Radiology</i> , 2008, 248, 625-631.	3.6	75
77	MRI for the diagnosis of pulmonary embolism. <i>Journal of Magnetic Resonance Imaging</i> , 2003, 18, 627-640.	1.9	68
78	Gadobenate Dimeglumine-Enhanced MRI of the Breast: Analysis of Dose Response and Comparison with Gadopentetate Dimeglumine. <i>American Journal of Roentgenology</i> , 2003, 181, 663-676.	1.0	68
79	Perfusion computed tomography in the acute phase of mild head injury: Regional dysfunction and prognostic value. <i>Annals of Neurology</i> , 2009, 66, 809-816.	2.8	68
80	Diffusion-weighted imaging of normal fibroglandular breast tissue: influence of microperfusion and fat suppression technique on the apparent diffusion coefficient. <i>NMR in Biomedicine</i> , 2010, 23, n/a-n/a.	1.6	68
81	Computer-aided detection in breast MRI: a systematic review and meta-analysis. <i>European Radiology</i> , 2011, 21, 1600-1608.	2.3	66
82	C-reactive protein is related to extent and progression of coronary and extra-coronary atherosclerosis; results from the Rotterdam study. <i>Atherosclerosis</i> , 2007, 195, e195-e202.	0.4	65
83	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.	0.9	64
84	MR Imaging-Guided Sonography Followed by Fine-Needle Aspiration Cytology in Occult Carcinoma of the Breast. <i>American Journal of Roentgenology</i> , 2000, 174, 1079-1084.	1.0	63
85	Use of multidetector computed tomography for the assessment of acute chest pain: a consensus statement of the North American Society of Cardiac Imaging and the European Society of Cardiac Radiology. <i>European Radiology</i> , 2007, 17, 2196-2207.	2.3	63
86	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.	1.4	63
87	Disagreement of diameter and volume measurements for pulmonary nodule size estimation in CT lung cancer screening. <i>Thorax</i> , 2018, 73, 779-781.	2.7	62
88	Coronary Calcification and the Risk of Heart Failure in the Elderly. <i>JACC: Cardiovascular Imaging</i> , 2012, 5, 874-880.	2.3	61
89	The dream of a one-stop-shop: Meta-analysis on myocardial perfusion CT. <i>European Journal of Radiology</i> , 2015, 84, 2411-2420.	1.2	61
90	Cost-effectiveness Analysis of Various Strategies in the Diagnostic Management of Pulmonary Embolism. <i>Archives of Internal Medicine</i> , 1993, 153, 947.	4.3	60

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91	Lung Scintigraphy and Helical Computed Tomography for the Diagnosis of Pulmonary Embolism: A Meta-Analysis. <i>Clinical and Applied Thrombosis/Hemostasis</i> , 2001, 7, 87-92.	0.7	60
92	Volumetric measurement of pulmonary nodules at low-dose chest CT: effect of reconstruction setting on measurement variability. <i>European Radiology</i> , 2010, 20, 1180-1187.	2.3	59
93	Assessment of acute myocardial infarction: current status and recommendations from the North American society for cardiovascular imaging and the European society of cardiac radiology. <i>International Journal of Cardiovascular Imaging</i> , 2011, 27, 7-24.	0.7	59
94	A follow-up study of blood pressure and cerebral white matter lesions. <i>Annals of Neurology</i> , 1999, 46, 827-33.	2.8	59
95	Preoperative subtyping of meningiomas by perfusion MR imaging. <i>Neuroradiology</i> , 2008, 50, 835-840.	1.1	58
96	Morphological measurements in computed tomography correlate with airflow obstruction in chronic obstructive pulmonary disease: systematic review and meta-analysis. <i>European Radiology</i> , 2012, 22, 2085-2093.	2.3	58
97	Detection and quantification of the solid component in pulmonary subsolid nodules by semiautomatic segmentation. <i>European Radiology</i> , 2015, 25, 488-496.	2.3	58
98	Volume versus diameter assessment of small pulmonary nodules in CT lung cancer screening. <i>Translational Lung Cancer Research</i> , 2017, 6, 52-61.	1.3	58
99	Rapid ELISA Assay for Plasma D-Dimer in the Diagnosis of Segmental and Subsegmental Pulmonary Embolism. <i>Thrombosis and Haemostasis</i> , 2000, 84, 156-159.	1.8	57
100	Dobutamine stress MRI. Part I. Safety and feasibility of dobutamine cardiovascular magnetic resonance in patients suspected of myocardial ischemia. <i>European Radiology</i> , 2004, 14, 1823-1828.	2.3	56
101	Dobutamine stress MRI. Part II. Risk stratification with dobutamine cardiovascular magnetic resonance in patients suspected of myocardial ischemia. <i>European Radiology</i> , 2004, 14, 2046-2052.	2.3	55
102	The effect of iterative reconstruction on computed tomography assessment of emphysema, air trapping and airway dimensions. <i>European Radiology</i> , 2012, 22, 2103-2109.	2.3	55
103	Sensitivity and accuracy of volumetry of pulmonary nodules on low-dose 16- and 64-row multi-detector CT: an anthropomorphic phantom study. <i>European Radiology</i> , 2013, 23, 139-147.	2.3	55
104	1H MR spectroscopy of the brain in multiple sclerosis subtypes with analysis of the metabolite concentrations in gray and white matter: initial findings. <i>European Radiology</i> , 2006, 16, 489-495.	2.3	54
105	The Influence of Heart Rate, Slice Thickness, and Calcification Density on Calcium Scores Using 64-Slice Multidetector Computed Tomography. <i>Investigative Radiology</i> , 2007, 42, 848-855.	3.5	54
106	Diagnostic performance of coronary CT angiography for stenosis detection according to calcium score: systematic review and meta-analysis. <i>European Radiology</i> , 2012, 22, 2688-2698.	2.3	54
107	Multiethnic Exome-Wide Association Study of Subclinical Atherosclerosis. <i>Circulation: Cardiovascular Genetics</i> , 2016, 9, 511-520.	5.1	54
108	Risk stratification based on screening history: the NELSON lung cancer screening study. <i>Thorax</i> , 2017, 72, 819-824.	2.7	54

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109	Coronary Artery Imaging with Multidetector CT: Visualization Issues. <i>Radiographics</i> , 2003, 23, e16-e16.	1.4	53
110	Self-expanding metal stents for palliative treatment of superior vena caval syndrome. <i>CardioVascular and Interventional Radiology</i> , 1996, 19, 146-151.	0.9	52
111	Skin Autofluorescence, a Non-Invasive Marker for AGE Accumulation, Is Associated with the Degree of Atherosclerosis. <i>PLoS ONE</i> , 2013, 8, e83084.	1.1	52
112	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.	0.7	52
113	Fluoxetine increases cerebral white matter NAA/Cr ratio in patients with multiple sclerosis. <i>Neuroscience Letters</i> , 2006, 402, 22-24.	1.0	51
114	The Role of Conventional Bronchoscopy in the Workup of Suspicious CT Scan Screen-Detected Pulmonary Nodules. <i>Chest</i> , 2012, 142, 377-384.	0.4	51
115	Quantitative DWI implemented after DCE-MRI yields increased specificity for BI-RADS 3 and 4 breast lesions. <i>Journal of Magnetic Resonance Imaging</i> , 2016, 44, 1642-1649.	1.9	51
116	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.	3.1	50
117	Recommendations for Implementing Lung Cancer Screening with Low-Dose Computed Tomography in Europe. <i>Cancers</i> , 2020, 12, 1672.	1.7	50
118	1H chemical shift imaging characterization of human brain tumor and edema. <i>European Radiology</i> , 2002, 12, 2056-2061.	2.3	49
119	Brain Changes with Aging: MR Spectroscopy at Supraventricular Plane Shows Differences between Women and Men. <i>Radiology</i> , 2003, 226, 889-896.	3.6	47
120	Coronary Calcification at Electron-Beam CT: Effect of Section Thickness on Calcium Scoring in Vitro and in Vivo. <i>Radiology</i> , 2003, 229, 520-525.	3.6	47
121	Alcohol Consumption and Coronary Calcification in a General Population. <i>Archives of Internal Medicine</i> , 2004, 164, 2355.	4.3	47
122	Impact of fluoxetine on the human brain in multiple sclerosis as quantified by proton magnetic resonance spectroscopy and diffusion tensor imaging. <i>Psychiatry Research - Neuroimaging</i> , 2008, 164, 274-282.	0.9	46
123	Cardiac T ₂ * mapping: Techniques and clinical applications. <i>Journal of Magnetic Resonance Imaging</i> , 2020, 52, 1340-1351.	1.9	46
124	Gd-enhanced MR imaging of brain metastases: Contrast as a function of dose and lesion size. <i>Magnetic Resonance Imaging</i> , 1997, 15, 535-541.	1.0	45
125	Systematic Error in Lung Nodule Volumetry: Effect of Iterative Reconstruction Versus Filtered Back Projection at Different CT Parameters. <i>American Journal of Roentgenology</i> , 2012, 199, 1241-1246.	1.0	44
126	CT of Coronary Heart Disease: Part 1, CT of Myocardial Infarction, Ischemia, and Viability. <i>American Journal of Roentgenology</i> , 2012, 198, 531-547.	1.0	44

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127	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.	0.5	44
128	Correlation between choline level and Gd-DTPA enhancement in patients with brain metastases of mammary carcinoma. <i>Magnetic Resonance in Medicine</i> , 1994, 32, 549-555.	1.9	43
129	Inter-observer and inter-examination variability of manual vertebral bone attenuation measurements on computed tomography. <i>European Radiology</i> , 2016, 26, 3046-3053.	2.3	43
130	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.	0.5	43
131	³¹ P magnetic resonance spectroscopy as predictor of clinical response in human extremity sarcomas treated by single dose TNF- α + melphalan isolated limb perfusion. <i>NMR in Biomedicine</i> , 1995, 8, 215-224.	1.6	42
132	¹ H MR spectroscopy monitoring of changes in choline peak area and line shape after Gd-contrast administration. <i>Magnetic Resonance Imaging</i> , 1998, 16, 1273-1280.	1.0	42
133	New Subsolid Pulmonary Nodules in Lung Cancer Screening: The NELSON Trial. <i>Journal of Thoracic Oncology</i> , 2018, 13, 1410-1414.	0.5	42
134	Basic principles of magnetic resonance imaging. <i>Progress in Cardiovascular Diseases</i> , 1999, 42, 149-156.	1.6	41
135	The association of Rose questionnaire angina pectoris and coronary calcification in a general population: The Rotterdam Coronary Calcification Study. <i>Annals of Epidemiology</i> , 2004, 14, 431-436.	0.9	41
136	Calcium score: a new risk factor for colorectal anastomotic leakage. <i>American Journal of Surgery</i> , 2011, 201, 759-765.	0.9	41
137	Does the aortic annulus undergo conformational change throughout the cardiac cycle? A systematic review. <i>European Heart Journal Cardiovascular Imaging</i> , 2015, 16, jev210.	0.5	41
138	Automated plaque analysis for the prognostication of major adverse cardiac events. <i>European Journal of Radiology</i> , 2019, 116, 76-83.	1.2	41
139	Contribution of CT Quantified Emphysema, Air Trapping and Airway Wall Thickness on Pulmonary Function in Male Smokers With and Without COPD. <i>COPD: Journal of Chronic Obstructive Pulmonary Disease</i> , 2014, 11, 503-509.	0.7	39
140	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.	0.9	39
141	Robotic versus Freehand Needle Positioning in CT-guided Ablation of Liver Tumors: A Randomized Controlled Trial. <i>Radiology</i> , 2019, 290, 826-832.	3.6	39
142	CT-based temperature monitoring during hepatic RF ablation: Feasibility in an animal model. <i>International Journal of Hyperthermia</i> , 2012, 28, 55-61.	1.1	38
143	Evaluation of global left ventricular function assessment by dual-source computed tomography compared with MRI. <i>European Radiology</i> , 2009, 19, 271-277.	2.3	37
144	Coronary CT Angiography versus Conventional Cardiac Angiography for Therapeutic Decision Making in Patients with High Likelihood of Coronary Artery Disease. <i>Radiology</i> , 2012, 265, 385-392.	3.6	37

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145	Breath-hold MR Cholangiopancreatography with Three-dimensional, Segmented, Echo-planar Imaging and Volume Rendering. <i>Radiology</i> , 1999, 210, 247-252.	3.6	36
146	Effects of microperfusion in hepatic diffusion weighted imaging. <i>European Radiology</i> , 2012, 22, 891-899.	2.3	36
147	Slow-growing lung cancer as an emerging entity: from screening to clinical management. <i>European Respiratory Journal</i> , 2013, 42, 1706-1722.	3.1	36
148	Features of Resolving and Nonresolving Indeterminate Pulmonary Nodules at Follow-up CT: The NELSON Study. <i>Radiology</i> , 2014, 270, 872-879.	3.6	36
149	Association of Chronic Obstructive Pulmonary Disease and Smoking Status With Bone Density and Vertebral Fractures in Male Lung Cancer Screening Participants. <i>Journal of Bone and Mineral Research</i> , 2014, 29, 2224-2229.	3.1	36
150	Coronary Artery Calcium Imaging in the ROBINSCA Trial. <i>Academic Radiology</i> , 2018, 25, 118-128.	1.3	36
151	Coffee Consumption and Coronary Calcification. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2008, 28, 1018-1023.	1.1	35
152	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.	2.7	35
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