

# Matthijs Oudkerk

## List of Publications by Citations

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371  
papers

18,518  
citations

68  
h-index

124  
g-index

387  
ext. papers

21,922  
ext. citations

7.2  
avg, IF

6.42  
L-index

#	Paper	IF	Citations
371	Cerebral white matter lesions and cognitive function: The Rotterdam scan study. <i>Annals of Neurology</i> , <b>2000</b> , 47, 145-151	9.4	769
370	Reduced Lung-Cancer Mortality with Volume CT Screening in a Randomized Trial. <i>New England Journal of Medicine</i> , <b>2020</b> , 382, 503-513	59.2	734
369	Management of lung nodules detected by volume CT scanning. <i>New England Journal of Medicine</i> , <b>2009</b> , 361, 2221-9	59.2	598
368	Coronary angiography with multi-slice computed tomography. <i>Lancet, The</i> , <b>2001</b> , 357, 599-603	40	576
367	Coronary calcification improves cardiovascular risk prediction in the elderly. <i>Circulation</i> , <b>2005</b> , 112, 572-716.7		418
366	Cerebral white matter lesions and the risk of dementia. <i>Archives of Neurology</i> , <b>2004</b> , 61, 1531-4		382
365	Prevalence and risk factors of silent brain infarcts in the population-based Rotterdam Scan Study. <i>Stroke</i> , <b>2002</b> , 33, 21-5	6.7	369
364	Periventricular cerebral white matter lesions predict rate of cognitive decline. <i>Annals of Neurology</i> , <b>2002</b> , 52, 335-41	9.4	334
363	Cerebral white matter lesions and depressive symptoms in elderly adults. <i>Archives of General Psychiatry</i> , <b>2000</b> , 57, 1071-6		333
362	Incidence and risk factors of silent brain infarcts in the population-based Rotterdam Scan Study. <i>Stroke</i> , <b>2003</b> , 34, 392-6	6.7	313
361	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> , <b>2014</b> , 15, 1332-41	21.7	285
360	European position statement on lung cancer screening. <i>Lancet Oncology, The</i> , <b>2017</b> , 18, e754-e766	21.7	279
359	Homocysteine, silent brain infarcts, and white matter lesions: The Rotterdam Scan Study. <i>Annals of Neurology</i> , <b>2002</b> , 51, 285-9	9.4	275
358	Evaluation of newer risk markers for coronary heart disease risk classification: a cohort study. <i>Annals of Internal Medicine</i> , <b>2012</b> , 156, 438-44	8	266
357	Cerebral white matter lesions and cognitive function: the Rotterdam Scan Study. <i>Annals of Neurology</i> , <b>2000</b> , 47, 145-51	9.4	266
356	Coronary calcium score improves classification of coronary heart disease risk in the elderly: the Rotterdam study. <i>Journal of the American College of Cardiology</i> , <b>2010</b> , 56, 1407-14	15.1	257
355	Nodule management protocol of the NELSON randomised lung cancer screening trial. <i>Lung Cancer</i> , <b>2006</b> , 54, 177-84	5.9	247

354	Comparison of contrast-enhanced magnetic resonance angiography and conventional pulmonary angiography for the diagnosis of pulmonary embolism: a prospective study. <i>Lancet, The</i> , <b>2002</b> , 359, 1643-49	241
353	The association between blood pressure, hypertension, and cerebral white matter lesions: cardiovascular determinants of dementia study. <i>Hypertension</i> , <b>2004</b> , 44, 625-30	8.5 239
352	Genome-wide association study for coronary artery calcification with follow-up in myocardial infarction. <i>Circulation</i> , <b>2011</b> , 124, 2855-64	16.7 213
351	Genetic loci associated with chronic obstructive pulmonary disease overlap with loci for lung function and pulmonary fibrosis. <i>Nature Genetics</i> , <b>2017</b> , 49, 426-432	36.3 201
350	Detection of lung cancer through low-dose CT screening (NELSON): a prespecified analysis of screening test performance and interval cancers. <i>Lancet Oncology, The</i> , <b>2014</b> , 15, 1342-50	21.7 201
349	First experiences in screening women at high risk for breast cancer with MR imaging. <i>Breast Cancer Research and Treatment</i> , <b>2000</b> , 63, 53-60	4.4 196
348	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> , <b>2015</b> , 26, 195-202	15.4 179
347	Diagnosis, Prevention, and Treatment of Thromboembolic Complications in COVID-19: Report of the National Institute for Public Health of the Netherlands. <i>Radiology</i> , <b>2020</b> , 297, E216-E222	20.5 172
346	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> , <b>2006</b> , 12, 1699-705	5.6 159
345	Automatic detection of subsolid pulmonary nodules in thoracic computed tomography images. <i>Medical Image Analysis</i> , <b>2014</b> , 18, 374-84	15.4 158
344	Intracranial aneurysms in patients with subarachnoid hemorrhage: CT angiography as a primary examination tool for diagnosis--systematic review and meta-analysis. <i>Radiology</i> , <b>2011</b> , 258, 134-45	20.5 157
343	A follow-up study of blood pressure and cerebral white matter lesions. <i>Annals of Neurology</i> , <b>1999</b> , 46, 827-833	9.4 149
342	Volumetric computed tomography screening for lung cancer: three rounds of the NELSON trial. <i>European Respiratory Journal</i> , <b>2013</b> , 42, 1659-67	13.6 143
341	Characteristics of lung cancers detected by computer tomography screening in the randomized NELSON trial. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2013</b> , 187, 848-54	10.2 142
340	Dobutamine cardiovascular magnetic resonance for the detection of myocardial ischemia with the use of myocardial tagging. <i>Circulation</i> , <b>2003</b> , 107, 1592-7	16.7 141
339	Final screening round of the NELSON lung cancer screening trial: the effect of a 2.5-year screening interval. <i>Thorax</i> , <b>2017</b> , 72, 48-56	7.3 139
338	Clinical validity of a normal pulmonary angiogram in patients with suspected pulmonary embolism--a critical review. <i>Clinical Radiology</i> , <b>2001</b> , 56, 838-42	2.9 137
337	The association between coronary calcification assessed by electron beam computed tomography and measures of extracoronary atherosclerosis: the Rotterdam Coronary Calcification Study. <i>Journal of the American College of Cardiology</i> , <b>2002</b> , 39, 1745-51	15.1 134

336	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, The</i> , <b>2016</b> , 17, 907-916	21.7	130
335	1H chemical shift imaging reveals loss of brain tumor choline signal after administration of Gd-contrast. <i>Magnetic Resonance in Medicine</i> , <b>1997</b> , 37, 222-5	4.4	118
334	Accuracy of iodine quantification using dual energy CT in latest generation dual source and dual layer CT. <i>European Radiology</i> , <b>2017</b> , 27, 3904-3912	8	111
333	NELSON lung cancer screening study. <i>Cancer Imaging</i> , <b>2011</b> , 11 Spec No A, S79-84	5.6	108
332	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> , <b>2009</b> , 250, 264-72	20.5	108
331	Intravenous coronary angiography by electron beam computed tomography: a clinical evaluation. <i>Circulation</i> , <b>1998</b> , 98, 2509-12	16.7	108
330	1H MR spectroscopy in patients with metastatic brain tumors: a multicenter study. <i>Magnetic Resonance in Medicine</i> , <b>1995</b> , 33, 818-26	4.4	106
329	Validation and prognosis of coronary artery calcium scoring in nontriggered thoracic computed tomography: systematic review and meta-analysis. <i>Circulation: Cardiovascular Imaging</i> , <b>2013</b> , 6, 514-21	3.9	105
328	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> , <b>2014</b> , 24, 2835-47	8	104
327	Identification of chronic obstructive pulmonary disease in lung cancer screening computed tomographic scans. <i>JAMA - Journal of the American Medical Association</i> , <b>2011</b> , 306, 1775-81	27.4	101
326	Prospects for population screening and diagnosis of lung cancer. <i>Lancet, The</i> , <b>2013</b> , 382, 732-41	40	99
325	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> , <b>2010</b> , 209, 455-62	3.1	98
324	Association between blood pressure levels over time and brain atrophy in the elderly. <i>Neurobiology of Aging</i> , <b>2003</b> , 24, 307-13	5.6	97
323	Aortic atherosclerosis at middle age predicts cerebral white matter lesions in the elderly. <i>Stroke</i> , <b>2000</b> , 31, 425-9	6.7	96
322	MR coronary angiography with breath-hold targeted volumes: preliminary clinical results. <i>Radiology</i> , <b>2000</b> , 217, 270-7	20.5	91
321	Stroke is associated with coronary calcification as detected by electron-beam CT: the Rotterdam Coronary Calcification Study. <i>Stroke</i> , <b>2002</b> , 33, 462-5	6.7	90
320	Performance of computer-aided detection of pulmonary nodules in low-dose CT: comparison with double reading by nodule volume. <i>European Radiology</i> , <b>2012</b> , 22, 2076-84	8	89
319	Characterization of liver lesions with mangafodipir trisodium-enhanced MR imaging: multicenter study comparing MR and dual-phase spiral CT. <i>Radiology</i> , <b>2002</b> , 223, 517-24	20.5	89

318	Pulmonary nodules detected at lung cancer screening: interobserver variability of semiautomated volume measurements. <i>Radiology</i> , <b>2006</b> , 241, 251-7	20.5	84
317	Aortic stiffness is associated with atherosclerosis of the coronary arteries in older adults: the Rotterdam Study. <i>Journal of Hypertension</i> , <b>2006</b> , 24, 2371-6	1.9	83
316	Detection, visualization and evaluation of anomalous coronary anatomy on 16-slice multidetector-row CT. <i>European Radiology</i> , <b>2004</b> , 14, 2163-71	8	82
315	Genome-wide association study of coronary and aortic calcification implicates risk loci for coronary artery disease and myocardial infarction. <i>Atherosclerosis</i> , <b>2013</b> , 228, 400-5	3.1	78
314	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> , <b>2008</b> , 18, 2785-807	8	78
313	Dual-energy CT of the heart. <i>American Journal of Roentgenology</i> , <b>2012</b> , 199, S54-63	5.4	77
312	European randomized lung cancer screening trials: Post NLST. <i>Journal of Surgical Oncology</i> , <b>2013</b> , 108, 280-6	2.8	75
311	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> , <b>2008</b> , 24, 645-71	2.5	75
310	Lung cancer screening CT-based prediction of cardiovascular events. <i>JACC: Cardiovascular Imaging</i> , <b>2013</b> , 6, 899-907	8.4	74
309	Perfusion MR imaging for differentiation of benign and malignant meningiomas. <i>Neuroradiology</i> , <b>2008</b> , 50, 525-30	3.2	73
308	Commonly used imaging techniques for diagnosis and staging. <i>Journal of Clinical Oncology</i> , <b>2006</b> , 24, 3234-44	2.2	73
307	<sup>1</sup> H MR spectroscopy detection of lipids and lactate in metastatic brain tumors. <i>NMR in Biomedicine</i> , <b>1996</b> , 9, 65-71	4.4	72
306	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> , <b>2008</b> , 68, 347-52	4.7	71
305	The female advantage in cardiovascular disease: do vascular beds contribute equally?. <i>American Journal of Epidemiology</i> , <b>2007</b> , 166, 403-12	3.8	70
304	Towards a close computed tomography monitoring approach for screen detected subsolid pulmonary nodules?. <i>European Respiratory Journal</i> , <b>2015</b> , 45, 765-73	13.6	65
303	Effect of nodule characteristics on variability of semiautomated volume measurements in pulmonary nodules detected in a lung cancer screening program. <i>Radiology</i> , <b>2008</b> , 248, 625-31	20.5	65
302	Risk factors for coronary calcification in older subjects. The Rotterdam Coronary Calcification Study. <i>European Heart Journal</i> , <b>2004</b> , 25, 48-55	9.5	63
301	Gadobenate dimeglumine-enhanced MRI of the breast: analysis of dose response and comparison with gadopentetate dimeglumine. <i>American Journal of Roentgenology</i> , <b>2003</b> , 181, 663-76	5.4	62

300	Lung cancer LDCT screening and mortality reduction - evidence, pitfalls and future perspectives. <i>Nature Reviews Clinical Oncology</i> , <b>2021</b> , 18, 135-151	19.4	62
299	Automated coronary artery calcification scoring in non-gated chest CT: agreement and reliability. <i>PLoS ONE</i> , <b>2014</b> , 9, e91239	3.7	60
298	MRI for the diagnosis of pulmonary embolism. <i>Journal of Magnetic Resonance Imaging</i> , <b>2003</b> , 18, 627-40	5.6	60
297	Perfusion computed tomography in the acute phase of mild head injury: regional dysfunction and prognostic value. <i>Annals of Neurology</i> , <b>2009</b> , 66, 809-16	9.4	59
296	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> , <b>2010</b> , 23, 399-405	4.4	57
295	Optimisation of volume-doubling time cutoff for fast-growing lung nodules in CT lung cancer screening reduces false-positive referrals. <i>European Radiology</i> , <b>2013</b> , 23, 1836-45	8	56
294	Computed tomographic characteristics of interval and post screen carcinomas in lung cancer screening. <i>European Radiology</i> , <b>2015</b> , 25, 81-8	8	55
293	MR imaging-guided sonography followed by fine-needle aspiration cytology in occult carcinoma of the breast. <i>American Journal of Roentgenology</i> , <b>2000</b> , 174, 1079-84	5.4	55
292	C-reactive protein is related to extent and progression of coronary and extra-coronary atherosclerosis; results from the Rotterdam study. <i>Atherosclerosis</i> , <b>2007</b> , 195, e195-202	3.1	54
291	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> , <b>2007</b> , 17, 2196-207	8	52
290	The effect of iterative reconstruction on computed tomography assessment of emphysema, air trapping and airway dimensions. <i>European Radiology</i> , <b>2012</b> , 22, 2103-9	8	51
289	Computer-aided detection in breast MRI: a systematic review and meta-analysis. <i>European Radiology</i> , <b>2011</b> , 21, 1600-8	8	51
288	Rapid ELISA Assay for Plasma D-Dimer in the Diagnosis of Segmental and Subsegmental Pulmonary Embolism. <i>Thrombosis and Haemostasis</i> , <b>2000</b> , 84, 156-159	7	50
287	The dream of a one-stop-shop: Meta-analysis on myocardial perfusion CT. <i>European Journal of Radiology</i> , <b>2015</b> , 84, 2411-20	4.7	49
286	Coronary calcification and the risk of heart failure in the elderly: the Rotterdam Study. <i>JACC: Cardiovascular Imaging</i> , <b>2012</b> , 5, 874-80	8.4	49
285	Volumetric measurement of pulmonary nodules at low-dose chest CT: effect of reconstruction setting on measurement variability. <i>European Radiology</i> , <b>2010</b> , 20, 1180-7	8	49
284	Preoperative subtyping of meningiomas by perfusion MR imaging. <i>Neuroradiology</i> , <b>2008</b> , 50, 835-40	3.2	49
283	Dobutamine stress MRI. Part I. Safety and feasibility of dobutamine cardiovascular magnetic resonance in patients suspected of myocardial ischemia. <i>European Radiology</i> , <b>2004</b> , 14, 1823-8	8	49

282	Dobutamine stress MRI. Part II. Risk stratification with dobutamine cardiovascular magnetic resonance in patients suspected of myocardial ischemia. <i>European Radiology</i> , <b>2004</b> , 14, 2046-52	8	49
281	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> , <b>2013</b> , 14, 59	7.3	47
280	(1)H 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> , <b>2006</b> , 16, 489-95	8	47
279	A follow-up study of blood pressure and cerebral white matter lesions. <i>Annals of Neurology</i> , <b>1999</b> , 46, 827-33	9.4	47
278	Morphological measurements in computed tomography correlate with airflow obstruction in chronic obstructive pulmonary disease: systematic review and meta-analysis. <i>European Radiology</i> , <b>2012</b> , 22, 2085-93	8	46
277	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> , <b>2011</b> , 27, 7-24	2.5	46
276	The influence of heart rate, slice thickness, and calcification density on calcium scores using 64-slice multidetector computed tomography: a systematic phantom study. <i>Investigative Radiology</i> , <b>2007</b> , 42, 848-55	10.1	46
275	Fluoxetine increases cerebral white matter NAA/Cr ratio in patients with multiple sclerosis. <i>Neuroscience Letters</i> , <b>2006</b> , 402, 22-4	3.3	46
274	Lung scintigraphy and helical computed tomography for the diagnosis of pulmonary embolism: a meta-analysis. <i>Clinical and Applied Thrombosis/Hemostasis</i> , <b>2001</b> , 7, 87-92	3.3	46
273	Coronary artery imaging with multidetector CT: visualization issues. <i>Radiographics</i> , <b>2003</b> , 23, e16	5.4	46
272	Coronary calcification at electron-beam CT: effect of section thickness on calcium scoring in vitro and in vivo. <i>Radiology</i> , <b>2003</b> , 229, 520-5	20.5	45
271	<sup>1</sup> H chemical shift imaging characterization of human brain tumor and edema. <i>European Radiology</i> , <b>2002</b> , 12, 2056-61	8	44
270	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> , <b>2013</b> , 23, 139-47	8	42
269	Skin autofluorescence, a non-invasive marker for AGE accumulation, is associated with the degree of atherosclerosis. <i>PLoS ONE</i> , <b>2013</b> , 8, e83084	3.7	42
268	The role of conventional bronchoscopy in the workup of suspicious CT scan screen-detected pulmonary nodules. <i>Chest</i> , <b>2012</b> , 142, 377-384	5.3	42
267	Detection and quantification of the solid component in pulmonary subsolid nodules by semiautomatic segmentation. <i>European Radiology</i> , <b>2015</b> , 25, 488-96	8	41
266	Correlation between choline level and Gd-DTPA enhancement in patients with brain metastases of mammary carcinoma. <i>Magnetic Resonance in Medicine</i> , <b>1994</b> , 32, 549-55	4.4	41
265	Risk stratification based on screening history: the NELSON lung cancer screening study. <i>Thorax</i> , <b>2017</b> , 72, 819-824	7.3	40

264	Brain changes with aging: MR spectroscopy at supraventricular plane shows differences between women and men. <i>Radiology</i> , <b>2003</b> , 226, 889-96	20.5	40
263	Systematic error in lung nodule volumetry: effect of iterative reconstruction versus filtered back projection at different CT parameters. <i>American Journal of Roentgenology</i> , <b>2012</b> , 199, 1241-6	5.4	39
262	CT of coronary heart disease: Part 1, CT of myocardial infarction, ischemia, and viability. <i>American Journal of Roentgenology</i> , <b>2012</b> , 198, 531-47	5.4	39
261	Alcohol consumption and coronary calcification in a general population. <i>Archives of Internal Medicine</i> , <b>2004</b> , 164, 2355-60		39
260	Self-expanding metal stents for palliative treatment of superior vena caval syndrome. <i>CardioVascular and Interventional Radiology</i> , <b>1996</b> , 19, 146-51	2.7	39
259	Relationship between nodule count and lung cancer probability in baseline CT lung cancer screening: The NELSON study. <i>Lung Cancer</i> , <b>2017</b> , 113, 45-50	5.9	38
258	Diagnostic performance of coronary CT angiography for stenosis detection according to calcium score: systematic review and meta-analysis. <i>European Radiology</i> , <b>2012</b> , 22, 2688-98	8	38
257	1H MR spectroscopy monitoring of changes in choline peak area and line shape after Gd-contrast administration. <i>Magnetic Resonance Imaging</i> , <b>1998</b> , 16, 1273-80	3.3	38
256	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> , <b>2008</b> , 164, 274-82	2.9	38
255	Cost-effectiveness Analysis of Various Strategies in the Diagnostic Management of Pulmonary Embolism. <i>Archives of Internal Medicine</i> , <b>1993</b> , 153, 947		38
254	31P magnetic resonance spectroscopy as predictor of clinical response in human extremity sarcomas treated by single dose TNF-alpha + melphalan isolated limb perfusion. <i>NMR in Biomedicine</i> , <b>1995</b> , 8, 215-24	4.4	38
253	Quantitative DWI implemented after DCE-MRI yields increased specificity for BI-RADS 3 and 4 breast lesions. <i>Journal of Magnetic Resonance Imaging</i> , <b>2016</b> , 44, 1642-1649	5.6	38
252	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> , <b>2015</b> , 9, 50-7	2.8	37
251	Gd-enhanced MR imaging of brain metastases: contrast as a function of dose and lesion size. <i>Magnetic Resonance Imaging</i> , <b>1997</b> , 15, 535-41	3.3	37
250	Automatic Pulmonary Nodule Detection in CT Scans Using Convolutional Neural Networks Based on Maximum Intensity Projection. <i>IEEE Transactions on Medical Imaging</i> , <b>2020</b> , 39, 797-805	11.7	37
249	Does the aortic annulus undergo conformational change throughout the cardiac cycle? A systematic review. <i>European Heart Journal Cardiovascular Imaging</i> , <b>2015</b> , 16, 1307-17	4.1	36
248	The association of Rose questionnaire angina pectoris and coronary calcification in a general population: the Rotterdam Coronary Calcification Study. <i>Annals of Epidemiology</i> , <b>2004</b> , 14, 431-6	6.4	36
247	Disagreement of diameter and volume measurements for pulmonary nodule size estimation in CT lung cancer screening. <i>Thorax</i> , <b>2018</b> , 73, 779-781	7.3	36



246	Effects of microperfusion in hepatic diffusion weighted imaging. <i>European Radiology</i> , <b>2012</b> , 22, 891-9	8	35
245	Breath-hold MR cholangiopancreatography with three-dimensional, segmented, echo-planar imaging and volume rendering. <i>Radiology</i> , <b>1999</b> , 210, 247-52	20.5	35
244	Volume versus diameter assessment of small pulmonary nodules in CT lung cancer screening. <i>Translational Lung Cancer Research</i> , <b>2017</b> , 6, 52-61	4.4	34
243	Multiethnic Exome-Wide Association Study of Subclinical Atherosclerosis. <i>Circulation: Cardiovascular Genetics</i> , <b>2016</b> , 9, 511-520		34
242	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> , <b>2014</b> , 11, 503-9	2	34
241	Evaluation of global left ventricular function assessment by dual-source computed tomography compared with MRI. <i>European Radiology</i> , <b>2009</b> , 19, 271-7	8	32
240	Comparison of three software systems for semi-automatic volumetry of pulmonary nodules on baseline and follow-up CT examinations. <i>Acta Radiologica</i> , <b>2014</b> , 55, 691-8	2	31
239	Coronary CT angiography versus conventional cardiac angiography for therapeutic decision making in patients with high likelihood of coronary artery disease. <i>Radiology</i> , <b>2012</b> , 265, 385-92	20.5	31
238	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> , <b>2014</b> , 29, 2224-9	6.3	29
237	Calcium score: a new risk factor for colorectal anastomotic leakage. <i>American Journal of Surgery</i> , <b>2011</b> , 201, 759-65	2.7	29
236	Coffee consumption and coronary calcification: the Rotterdam Coronary Calcification Study. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2008</b> , 28, 1018-23	9.4	29
235	Hydrogen magnetic resonance spectroscopy follow-up after radiation therapy of human brain cancer. Unexpected inverse correlation between the changes in tumor choline level and post-gadolinium magnetic resonance imaging contrast. <i>Investigative Radiology</i> , <b>1995</b> , 30, 738-44	10.1	29
234	Slow-growing lung cancer as an emerging entity: from screening to clinical management. <i>European Respiratory Journal</i> , <b>2013</b> , 42, 1706-22	13.6	28
233	Understanding the discrepancies between <sup>31</sup> P MR spectroscopy assessed liver metabolite concentrations from different institutions. <i>Magnetic Resonance Imaging</i> , <b>1998</b> , 16, 205-11	3.3	28
232	Study on motion artifacts in coronary arteries with an anthropomorphic moving heart phantom on an ECG-gated multidetector computed tomography unit. <i>European Radiology</i> , <b>2005</b> , 15, 995-1007	8	28
231	Basic principles of magnetic resonance imaging. <i>Progress in Cardiovascular Diseases</i> , <b>1999</b> , 42, 149-56	8.5	28
230	The relationship between applied energy and ablation zone volume in patients with hepatocellular carcinoma and colorectal liver metastasis. <i>European Radiology</i> , <b>2018</b> , 28, 3228-3236	8	27
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