

## The 100 most cited articles regarding the field of lung cancer screening and the number of citations

Rank	Article title	Citations	Citations per year	DOI
1	Reduced Lung-Cancer Mortality with Low-Dose Computed Tomographic Screening	3,910	391	10.1056/NEJMoa1102873
2	Early Lung Cancer Action Project: overall design and findings from baseline screening	1,685	76.59	10.1016/S0140-6736(99)06093-6
3	Survival of patients with stage I lung cancer detected on CT screening	1,069	71.27	10.1056/NEJMoa060476
4	Screening for Lung Cancer: US Preventive Services Task Force Recommendation Statement	829	118.43	10.7326/M13-2771
5	Mass screening for lung cancer with mobile spiral computed tomography scanner	645	28.04	10.1016/S0140-6736(97)08229-9
6	Benefits and Harms of CT Screening for Lung Cancer A Systematic Review	628	69.78	10.1001/jama.2012.5521
7	Peripheral lung cancer: Screening and detection with low-dose spiral CT versus radiography	622	24.88	10.1148/radiology.201.3.8939234
8	CT screening for lung cancer: Frequency and significance of part-solid and nonsolid nodules	562	29.58	10.2214/ajr.178.5.1781053
9	Screening for lung cancer with low-dose spiral computed tomography	486	25.58	10.1164/ajrcm.165.4.2107006
10	CT screening for lung cancer: Five-year prospective experience	471	29.44	10.1148/radiol.2351041662
11	Lung cancer screening with CT: Mayo Clinic experience	469	26.06	10.1148/radiol.2263020036
12	Results of Initial Low-Dose Computed Tomographic Screening for Lung Cancer	425	53.13	10.1056/NEJMoa1209120
13	Probability of Cancer in Pulmonary Nodules Detected on First Screening CT	420	52.5	10.1056/NEJMoa1214726
14	Computed tomography screening and lung cancer outcomes	411	29.36	10.1001/jama.297.9.953
15	Screening for early lung cancer with low-dose spiral CT: Prevalence in 817 asymptomatic smokers	380	20	10.1148/radiol.2223010490
16	Screening for early lung cancer: Results of the Memorial Sloan-Kettering study in New York	380	10.27	10.1378/chest.86.1.44
17	American Cancer Society Lung Cancer Screening Guidelines	371	46.38	10.3322/caac.21172
18	Lung cancer screening: the Mayo program	371	10.6	10.1097/00043764-198608000-00038
19	Growth rate of small lung cancers detected on mass CT screening	363	17.29	10.1259/bjr.73.876.11205667
20	Early lung cancer detection: results of the initial (prevalence) radiologic and cytologic screening in the Johns Hopkins study	358	9.68	10.1164/arrd.1984.130.4.549
21	Early Lung Cancer Action Project - Initial findings on repeat screening	347	17.35	10.1002/1097-0142(20010701)92:1<153::AID-CNCR1303>3.0.CO;2-S
22	Overdiagnosis in Low-Dose Computed Tomography Screening for Lung Cancer	342	48.86	10.1001/jamainternmed.2013.12738
23	The American Association for Thoracic Surgery guidelines for lung cancer screening using low-dose computed tomography scans for lung cancer survivors and other high-risk groups	336	37.33	10.1016/j.jtvc.2012.05.060
24	Early lung cancer detection: results of the initial (prevalence) radiologic and cytologic screening in the Mayo Clinic study	332	8.97	10.1164/arrd.1984.130.4.561
25	Risk-based selection from the general population in a screening trial: Selection criteria, recruitment and power for the Dutch-Belgian randomised lung cancer multi-slice CT screening trial (NELSON)	325	23.21	10.1002/ijc.22134
26	Selection Criteria for Lung-Cancer Screening	323	40.38	10.1056/NEJMoa1211776
27	Results of three-year mass screening programme for lung cancer using mobile low-dose spiral computed tomography scanner	318	15.9	10.1054/bjoc.2000.1531
28	Screening by Chest Radiograph and Lung Cancer Mortality The Prostate, Lung, Colorectal, and Ovarian (PLCO) Randomized Trial	300	30	10.1001/jama.2011.1591
29	Targeting of Low-Dose CT Screening According to the Risk of Lung-Cancer Death	294	36.75	10.1056/NEJMoa1301851
30	Screening for lung cancer with low-dose helical computed tomography: Anti-lung cancer association project	288	15.16	10.1200/JCO.2002.20.4.911
31	Radiation risks potentially associated with low-dose CT screening of adult smokers for lung cancer	285	16.76	10.1148/radiol.2312030880
32	Screening for Lung Cancer With Low-Dose Computed Tomography: A Systematic Review to Update the U. S. Preventive Services Task Force Recommendation	278	34.75	10.7326/0003-4819-159-6-201309170-00690
33	Lung cancer detected during a screening program using four-month chest radiographs	274	7.21	10.1148/radiology.148.3.6308709
34	Screening for lung cancer. A critique of the Mayo Lung Project	273	9.1	10.1002/1097-0142(19910215)67:4+<1155::AID-CNCR2820671509>3.0.CO;2-0
35	The effect of surgical treatment on survival from early lung cancer: Implications for screening	261	9	10.1378/chest.101.4.1013
36	CT screening for lung cancer: Suspiciousness of nodules according to size on baseline scans	257	15.12	10.1148/radiol.2311030634
37	Current concepts - Screening for lung cancer	252	12	10.1056/NEJM200011303432208
38	A Randomized Study of Lung Cancer Screening with Spiral Computed Tomography Three-year Results from the DANTE Trial	250	20.83	10.1164/rccm.200901-0076OC
39	CT screening for lung cancer brings forward early disease. The randomised Danish Lung Cancer Screening Trial: status after five annual screening rounds with low-dose CT	247	27.44	10.1136/thorajnl-2011-200736
40	The Danish Randomized Lung Cancer CT Screening Trial-Overall Design and Results of the Prevalence Round	238	19.83	10.1097/JTO.0b013e3181a0d98f
41	Lung cancer screening using low-dose spiral CT - Results of baseline and 1-year follow-up studies	236	12.42	10.1378/chest.122.1.15
42	Benefits and Harms of Computed Tomography Lung Cancer Screening Strategies: A Comparative Modeling Study for the US Preventive Services Task Force	230	32.86	10.7326/M13-2316
43	Lung, cancer screening with helical computed tomography in older adult smokers - A decision and cost-effectiveness analysis	230	12.78	10.1001/jama.289.3.313
44	Early lung cancer detection: results of the initial (prevalence) radiologic and cytologic screening in the Memorial Sloan-Kettering study	216	5.84	10.1164/arrd.1984.130.4.555
45	Screening for Lung Cancer Diagnosis and Management of Lung Cancer, 3rd ed: American College of Chest Physicians Evidence-Based Clinical Practice Guidelines	209	26.13	10.1378/chest.12-2350
46	Nodule management protocol of the NELSON randomised lung cancer screening trial	199	13.27	10.1016/j.lungcan.2006.08.006
47	Baseline findings of a randomized feasibility trial of lung cancer screening with spiral CT scan vs chest radiograph - The Lung Screening Study of the National Cancer Institute	198	11.65	10.1378/chest.126.1.114
48	Final results of the Lung Screening Study, a randomized feasibility study of spiral CT versus chest X-ray screening for lung cancer	195	12.19	10.1016/j.lungcan.2004.06.007
49	Five-year lung cancer screening experience: CT appearance, growth rate, location, and histologic features of 61 lung cancers	192	13.71	10.1148/radiol.2422052090
50	Screening for lung cancer	192	6	10.7326/0003-4819-111-3-232
51	Clinical Utility of a Plasma-Based miRNA Signature Classifier Within Computed Tomography Lung Cancer Screening: A Correlative MILD Trial Study	191	27.29	10.1200/JCO.2013.50.4357
52	Design, recruitment and baseline results of the ITALUNG trial for lung cancer screening with low-dose CT	190	15.83	10.1016/j.lungcan.2008.07.003
53	Lung cancer probability in patients with CT-detected pulmonary nodules: a prespecified analysis of data from the NELSON trial of low-dose CT screening	188	26.86	10.1016/S1470-2045(14)70389-4
54	Lung cancer: Performance of automated lung nodule detection applied to cancers missed in a CT screening program	188	9.89	10.1148/radiol.2253011376
55	Lack of benefit from semi-annual screening for cancer of the lung: follow-up report of a randomized controlled trial on a population of high-risk males in Czechoslovakia	182	5.87	10.1002/ijc.2910450107
56	microRNAs Derived from Circulating Exosomes as Noninvasive Biomarkers for Screening and Diagnosing Lung Cancer	174	21.75	10.1097/JTO.0b013e318299ac32
57	Malignant versus benign nodules at CT screening for lung cancer: Comparison of thin-section CT findings	168	9.88	10.1148/radiol.2333031018
58	Lung Cancer Screening	157	17.44	10.6004/jnccn.2012.0022
59	The National Cancer Institute Cooperative Early Lung Cancer Detection Program. Results of the initial screen (prevalence). Early lung cancer detection: Introduction	156	4.22	10.1164/arrd.1984.130.4.545
60	Lung Cancer Risk Prediction: Prostate, Lung, Colorectal and Ovarian Cancer Screening Trial Models and Validation	153	15.3	10.1093/jnci/djr173
61	Baseline results of the Depiscan study: A French randomized pilot trial of lung cancer screening comparing dose CT scan (LDCT) and chest X-ray (CXR)	152	10.86	10.1016/j.lungcan.2007.05.009
62	Lung cancer screening	149	9.31	10.1056/NEJMcp042630
63	UK Lung Screen (UKLS) nodule management protocol: modelling of a single screen randomised controlled trial of low-dose CT screening for lung cancer	143	14.3	10.1136/thx.2010.152066
64	Cost-Effectiveness of Computed Tomography Screening for Lung Cancer in the United States	142	14.2	10.1097/JTO.0b013e31822e59b3
65	Lung cancers missed at low-dose helical CT screening in a general population: Comparison of clinical, histopathologic, and imaging findings	138	7.26	10.1148/radiol.2253011375
66	Lung cancer screening with sputum cytologic examination, chest radiography, and computed tomography: An update for the US Preventive Services Task Force	137	8.06	10.7326/0003-4819-140-9-200405040-00015
67	Solitary and multiple resected adenocarcinomas after CT screening for lung cancer: Histopathologic features and their prognostic implications	133	11.08	10.1016/j.lungcan.2008.08.009
68	Long-Term Follow-up Results of the DANTE Trial, a Randomized Study of Lung Cancer Screening with Spiral Computed Tomography	131	21.83	10.1164/rccm.201408-1475OC
69	Non-small-cell lung cancer: results of the New York screening program	131	3.54	10.1148/radiology.151.2.6324279
70	Circulating cell-free DNA in plasma/serum of lung cancer patients as a potential screening and prognostic tool	130	8.67	10.1373/clinchem.2005.062893
71	Screening for lung cancer - A review of the current literature	130	7.22	10.1378/chest.123.1_suppl.72S
72	Detection of lung cancer by low-dose CT screening (NELSON): a prespecified analysis of screening test performance and interval cancers	128	18.29	10.1016/S1470-2045(14)70387-0
73	Screening for lung cancer - Another look; A different view	124	5.17	10.1378/chest.111.3.754
74	Lung Cancer Screening With Low-Dose Computed Tomography in the United States-2010 to 2015	122	30.5	10.1001/jamaoncol.2016.6416
75	Lung cancer screening with spiral CT Baseline results of the randomized DANTE trial	122	9.38	10.1016/j.lungcan.2007.08.040
76	Progression of focal pure ground-glass opacity detected by low-dose helical computed tomography screening for lung cancer	122	7.18	10.1097/0004728-200401000-00003
77	Definition of a Positive Test Result in Computed Tomography Screening for Lung Cancer A Cohort Study	121	15.13	10.7326/0003-4819-158-4-201302190-00004
78	A Cost-Utility Analysis of Lung Cancer Screening and the Additional Benefits of Incorporating Smoking Cessation Interventions	119	14.88	10.1371/journal.pone.0071379
79	Small solitary pulmonary nodules (<= 1 cm) detected at population-based CT screening for lung cancer: reliable high-resolution CT features of benign lesions.	118	6.56	10.2214/ajr.180.4.1800955
80	Survival for clinical stage I lung cancer not surgically treated. Comparison between screen-detected and symptom-detected cases. The Japanese Lung Cancer Screening Research Group	118	4.07	10.1002/1097-0142(19920201)69:3<685::AID-CNCR2820690315>3.0.CO;2-W
81	International Association for the Study of Lung Cancer Computed Tomography Screening Workshop 2011 Report	117	13	10.1097/JTO.0b013e31823c58ab
82	The cost-effectiveness of low-dose CT screening for lung cancer - Preliminary results of baseline screening	117	6.5	10.1378/chest.124.2.614
83	Is curable lung cancer detected by semiannual screening?	116	2.42	10.1001/jama.224.10.1361
84	European position statement on lung cancer screening	114	28.5	10.1016/S1470-2045(17)30861-6
85	Evaluation of the Lung Cancer Risk at Which to Screen Ever- and Never-Smokers: Screening Rules Applied to the PLCO and NLST Cohorts	114	16.29	10.1371/journal.pmed.1001764
86	Screening for lung cancer - ACCP evidence-based clinical practice guidelines (2nd edition)	113	8.07	10.1378/chest.07-1349
87	Screening for early lung cancer with low-dose spiral computed tomography: results of annual follow-up examinations in asymptomatic smokers	110	6.47	10.1007/s00330-003-2200-5
88	UK Lung Cancer RCT Pilot Screening Trial: baseline findings from the screening arm provide evidence for the potential implementation of lung cancer screening	109	21.8	10.1136/thorajnl-2015-207140
89	Characteristics of small lung cancers invisible on conventional chest radiography and detected by population based screening using spiral CT	109	5.19	10.1259/bjr.73.866.10884725
90	Lung cancer screening with low-dose computed tomography: A non-invasive diagnostic protocol for baseline lung nodules	107	8.23	10.1016/j.lungcan.2008.01.001
91	Lung cancer screening and smoking abstinence: 2-year follow-up data from the Dutch-Belgian randomised controlled lung cancer screening trial	106	9.64	10.1136/thx.2009.133751
92	Survival and Mortality from Lung Cancer in a Screened Population - The Johns Hopkins Study	106	3.03	10.1378/chest.89.4_Supplement.3245-a
93	Lung Cancers Diagnosed at Annual CT Screening: Volume Doubling Times	105	11.67	10.1148/radiol.12102489
94	Annual number of lung cancer deaths potentially avertable by screening in the United States	104	13	10.1002/cncr.27813
95	Lung cancer screening as a teachable moment for smoking cessation	104	7.43	10.1016/j.lungcan.2006.11.015
96	The Harms of Screening A Proposed Taxonomy and Application to Lung Cancer Screening	103	14.71	10.1001/jamainternmed.2013.12745
97	Volumetric computed tomography screening for lung cancer: three rounds of the NELSON trial	103	12.88	10.1183/09031936.00197712
98	Results of the Randomized Danish Lung Cancer Screening Trial with Focus on High-Risk Profiling	102	20.4	10.1164/rccm.201505-1040OC
99	Computerized scheme for automated detection of lung nodules in low-dose computed tomography images for lung cancer screening	102	6	10.1016/j.acra.2004.02.009
100	Randomized study on early detection of lung cancer with MSCT in Germany: study design and results of the first screening round	100	11.11	10.1007/s00432-012-1228-9