

# Mario Silva

## List of Publications by Year in descending order

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Version: 2024-02-01

113  
papers

3,573  
citations

172457

29  
h-index

155660

55  
g-index

116  
all docs

116  
docs citations

116  
times ranked

5096  
citing authors

#	ARTICLE	IF	CITATIONS
1	Well-aerated Lung on Admitting Chest CT to Predict Adverse Outcome in COVID-19 Pneumonia. <i>Radiology</i> , 2020, 296, E86-E96.	7.3	368
2	Prolonged lung cancer screening reduced 10-year mortality in the MILD trial: new confirmation of lung cancer screening efficacy. <i>Annals of Oncology</i> , 2019, 30, 1162-1169.	1.2	328
3	COVID-19 patients and the radiology department "advice from the European Society of Radiology (ESR) and the European Society of Thoracic Imaging (ESTI). <i>European Radiology</i> , 2020, 30, 4903-4909.	4.5	298
4	Interobserver agreement for the ATS/ERS/JRS/ALAT criteria for a UIP pattern on CT. <i>Thorax</i> , 2016, 71, 45-51.	5.6	256
5	Deep learning for classifying fibrotic lung disease on high-resolution computed tomography: a case-cohort study. <i>Lancet Respiratory Medicine</i> , 2018, 6, 837-845.	10.7	252
6	Low-dose computed tomography for lung cancer screening: comparison of performance between annual and biennial screen. <i>European Radiology</i> , 2016, 26, 3821-3829.	4.5	92
7	Chest X-ray for predicting mortality and the need for ventilatory support in COVID-19 patients presenting to the emergency department. <i>European Radiology</i> , 2021, 31, 1999-2012.	4.5	86
8	ESR/ERS statement paper on lung cancer screening. <i>European Radiology</i> , 2020, 30, 3277-3294.	4.5	83
9	Ten-year results of the Multicentric Italian Lung Detection trial demonstrate the safety and efficacy of biennial lung cancer screening. <i>European Journal of Cancer</i> , 2019, 118, 142-148.	2.8	72
10	Long-Term Surveillance of Ground-Glass Nodules: Evidence from the MILD Trial. <i>Journal of Thoracic Oncology</i> , 2012, 7, 1541-1546.	1.1	71
11	Integrated Radiologic Algorithm for COVID-19 Pandemic. <i>Journal of Thoracic Imaging</i> , 2020, 35, 228-233.	1.5	68
12	ESR/ERS statement paper on lung cancer screening. <i>European Respiratory Journal</i> , 2020, 55, 1900506.	6.7	57
13	Imaging of Sarcoidosis. <i>Clinical Reviews in Allergy and Immunology</i> , 2015, 49, 45-53.	6.5	53
14	Anterior Mediastinal Masses. <i>American Journal of Roentgenology</i> , 2014, 203, W128-W138.	2.2	51
15	Long-Term Active Surveillance of Screening Detected Subsolid Nodules is a Safe Strategy to Reduce Overtreatment. <i>Journal of Thoracic Oncology</i> , 2018, 13, 1454-1463.	1.1	51
16	Stopping Smoking Reduces Mortality in Low-Dose Computed Tomography Screening Participants. <i>Journal of Thoracic Oncology</i> , 2016, 11, 693-699.	1.1	50
17	Lung Toxicity in Non-Small-Cell Lung Cancer Patients Exposed to ALK Inhibitors: Report of a Peculiar Case and Systematic Review of the Literature. <i>Clinical Lung Cancer</i> , 2018, 19, e151-e161.	2.6	50
18	Comparison of admission chest computed tomography and lung ultrasound performance for diagnosis of COVID-19 pneumonia in populations with different disease prevalence. <i>European Journal of Radiology</i> , 2020, 133, 109344.	2.6	49

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19	Lung cancer screening with low-dose CT in Europe: strength and weakness of diverse independent screening trials. <i>Clinical Radiology</i> , 2017, 72, 389-400.	1.1	48
20	Screening with Low-Dose Computed Tomography Does Not Improve Survival of Small Cell Lung Cancer. <i>Journal of Thoracic Oncology</i> , 2016, 11, 187-193.	1.1	41
21	Quantification of Lung Fibrosis in IPF-Like Mouse Model and Pharmacological Response to Treatment by Micro-Computed Tomography. <i>Frontiers in Pharmacology</i> , 2020, 11, 1117.	3.5	37
22	Lung cancer screening with low-dose spiral computed tomography: evidence from a pooled analysis of two Italian randomized trials. <i>European Journal of Cancer Prevention</i> , 2017, 26, 324-329.	1.3	36
23	Pulmonary quantitative CT imaging in focal and diffuse disease: current research and clinical applications. <i>British Journal of Radiology</i> , 2018, 91, 20170644.	2.2	36
24	Quantification of epicardial fat with cardiac CT angiography and association with cardiovascular risk factors in symptomatic patients: from the ALTER-BIO (Alternative Cardiovascular Bio-Imaging) Tj ETQq0 0 0 rgBIL# Overlock 10 Tf 50		
25	Detection of Subsolid Nodules in Lung Cancer Screening. <i>Investigative Radiology</i> , 2018, 53, 441-449.	6.2	35
26	Structured reporting for fibrosing lung disease: a model shared by radiologist and pulmonologist. <i>Radiologia Medica</i> , 2018, 123, 245-253.	7.7	34
27	CT-guided biopsy of pulmonary nodules: is pulmonary hemorrhage a complication or an advantage?. <i>Diagnostic and Interventional Radiology</i> , 2014, 20, 421-425.	1.5	33
28	Variable radiological lung nodule evaluation leads to divergent management recommendations. <i>European Respiratory Journal</i> , 2018, 52, 1801359.	6.7	32
29	Unknown SARS-CoV-2 pneumonia detected by PET/CT in patients with cancer. <i>Tumori</i> , 2020, 106, 325-332.	1.1	32
30	Quantitative chest computed tomography is associated with two prediction models of mortality in interstitial lung disease related to systemic sclerosis. <i>Rheumatology</i> , 2017, 56, 922-927.	1.9	31
31	Deep Learning-based Outcome Prediction in Progressive Fibrotic Lung Disease Using High-Resolution Computed Tomography. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2022, 206, 883-891.	5.6	29
32	Operator-independent quantitative chest computed tomography versus standard assessment of interstitial lung disease related to systemic sclerosis: A multi-centric study. <i>Modern Rheumatology</i> , 2015, 25, 724-730.	1.8	28
33	In-vivo lung fibrosis staging in a bleomycin-mouse model: a new micro-CT guided densitometric approach. <i>Scientific Reports</i> , 2020, 10, 18735.	3.3	28
34	Qualitative and quantitative chest CT parameters as predictors of specific mortality in COVID-19 patients. <i>Emergency Radiology</i> , 2020, 27, 701-710.	1.8	27
35	Relationships between emphysema and airways metrics at High-Resolution Computed Tomography (HRCT) and ventilatory response to exercise in mild to moderate COPD patients. <i>Respiratory Medicine</i> , 2016, 117, 207-214.	2.9	25
36	Lung cancer screening by nodule volume in Lung-RADS v1.1: negative baseline CT yields potential for increased screening interval. <i>European Radiology</i> , 2021, 31, 1956-1968.	4.5	24

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37	Deep Learning for Lung Cancer Detection on Screening CT Scans: Results of a Large-Scale Public Competition and an Observer Study with 11 Radiologists. <i>Radiology: Artificial Intelligence</i> , 2021, 3, e210027.	5.8	24
38	Integrated CT imaging and tissue immune features disclose a radio-immune signature with high prognostic impact on surgically resected NSCLC. <i>Lung Cancer</i> , 2020, 144, 30-39.	2.0	23
39	A signature of estimate-stromal-immune score-based genes associated with the prognosis of lung adenocarcinoma. <i>Translational Lung Cancer Research</i> , 2021, 10, 1484-1500.	2.8	22
40	Validity of epicardial fat volume as biomarker of coronary artery disease in symptomatic individuals: Results from the ALTER-BIO registry. <i>International Journal of Cardiology</i> , 2020, 314, 20-24.	1.7	21
41	Overall mortality in combined pulmonary fibrosis and emphysema related to systemic sclerosis. <i>RMD Open</i> , 2019, 5, e000820.	3.8	20
42	Stratification of long-term outcome in stable idiopathic pulmonary fibrosis by combining longitudinal computed tomography and forced vital capacity. <i>European Radiology</i> , 2020, 30, 2669-2679.	4.5	19
43	Increased mean lung density: Another independent predictor of lung cancer?. <i>European Journal of Radiology</i> , 2013, 82, 1325-1331.	2.6	17
44	Quantitative assessment of interstitial lung disease in Sjögren's syndrome. <i>PLoS ONE</i> , 2019, 14, e0224772.	2.5	17
45	Computed Tomography Measurement of Rib Cage Morphometry in Emphysema. <i>PLoS ONE</i> , 2013, 8, e68546.	2.5	16
46	Outstanding negative prediction performance of solid pulmonary nodule volume AI for ultra-LDCT baseline lung cancer screening risk stratification. <i>Lung Cancer</i> , 2022, 165, 133-140.	2.0	16
47	Low-dose CT for lung cancer screening: position paper from the Italian college of thoracic radiology. <i>Radiologia Medica</i> , 2022, 127, 543-559.	7.7	16
48	Reproducible Noninvasive Method for Evaluation of Glenoid Bone Loss by Multiplanar Reconstruction Curved Computed Tomographic Imaging Using a Cadaveric Model. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2013, 29, 471-477.	2.7	14
49	Automatic segmentation of the solid core and enclosed vessels in subsolid pulmonary nodules. <i>Scientific Reports</i> , 2018, 8, 646.	3.3	14
50	False-Negative Results in Lung Cancer Screening—Evidence and Controversies. <i>Journal of Thoracic Oncology</i> , 2021, 16, 912-921.	1.1	14
51	Longitudinal evolution of incidentally detected solitary pure ground-glass nodules on CT: relation to clinical metrics. <i>Diagnostic and Interventional Radiology</i> , 2015, 21, 385-390.	1.5	14
52	Multidetector Computed Tomographic Imaging in Chronic Obstructive Pulmonary Disease. <i>Radiologic Clinics of North America</i> , 2014, 52, 137-154.	1.8	13
53	Are interstitial lung abnormalities associated with COPD? A nested case&ndash;control study. <i>International Journal of COPD</i> , 2016, 11, 1087.	2.3	13
54	Quantitative CT indexes are significantly associated with exercise oxygen desaturation in interstitial lung disease related to systemic sclerosis. <i>Clinical Respiratory Journal</i> , 2017, 11, 983-989.	1.6	13

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55	High-pitch dual-source CT angiography without ECG-gating for imaging the whole aorta: intraindividual comparison with standard pitch single-source technique without ECG-gating. <i>Diagnostic and Interventional Radiology</i> , 2017, 23, 293-299.	1.5	12
56	Comparison of ultra-low dose chest CT scanning protocols for the detection of pulmonary nodules: a phantom study. <i>Tumori</i> , 2019, 105, 394-403.	1.1	12
57	Sarcoid-like reaction mimicking disease progression in an ALK-positive lung cancer patient receiving lorlatinib. <i>Investigational New Drugs</i> , 2019, 37, 360-363.	2.6	11
58	Prognostic and predictive value of histogram analysis in patients with non-small cell lung cancer refractory to platinum treated by nivolumab: A multicentre retrospective study. <i>European Journal of Radiology</i> , 2019, 118, 251-256.	2.6	11
59	QIBA guidance: Computed tomography imaging for COVID-19 quantitative imaging applications. <i>Clinical Imaging</i> , 2021, 77, 151-157.	1.5	11
60	Comparison of four software packages for CT lung volumetry in healthy individuals. <i>European Radiology</i> , 2015, 25, 1588-1597.	4.5	10
61	Spontaneous Pneumomediastinum as a Potential Predictor of Mortality in Patients with Idiopathic Pulmonary Fibrosis. <i>Respiration</i> , 2016, 92, 25-33.	2.6	10
62	Normal spectrum of pulmonary parametric response map to differentiate lung collapsibility: distribution of densitometric classifications in healthy adult volunteers. <i>European Radiology</i> , 2016, 26, 3063-3070.	4.5	10
63	Pre-surgical assessment of mandibular bone invasion from oral cancer: comparison between different imaging techniques and relevance of radiologist expertise. <i>Radiologia Medica</i> , 2016, 121, 704-710.	7.7	10
64	Pleural plaques in lung cancer screening by low-dose computed tomography: prevalence, association with lung cancer and mortality. <i>BMC Pulmonary Medicine</i> , 2017, 17, 155.	2.0	10
65	The diagnostic value of grey-scale inversion technique in chest radiography. <i>Radiologia Medica</i> , 2022, 127, 294-304.	7.7	9
66	Interstitial lung abnormalities: new insights between theory and clinical practice. <i>Insights Into Imaging</i> , 2022, 13, 6.	3.4	9
67	Non-small cell lung cancer after surgery and chemoradiotherapy: follow-up and response assessment. <i>Diagnostic and Interventional Radiology</i> , 2013, 19, 447-56.	1.5	8
68	Bronchial artery embolization for the treatment of haemoptysis in pulmonary hypertension. <i>Radiologia Medica</i> , 2017, 122, 257-264.	7.7	8
69	Adenocarcinoma in pure ground glass nodules: histological evidence of invasion and open debate on optimal management. <i>Journal of Thoracic Disease</i> , 2017, 9, 2862-2867.	1.4	8
70	Interstitial lung abnormalities. <i>Current Opinion in Pulmonary Medicine</i> , 2018, 24, 432-439.	2.6	8
71	The Matter of the Lung: Quantification of Vascular Substance in Asthma. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018, 198, 1-2.	5.6	8
72	Solid Indeterminate Pulmonary Nodules Less Than or Equal to 250 <sup>3</sup> mm: Application of the Updated Fleischner Society Guidelines in Clinical Practice. <i>Radiology Research and Practice</i> , 2019, 2019, 1-7.	1.3	8

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73	Multiple primary malignancies involving lung cancer: a single-center experience. <i>Tumori</i> , 2020, 107, 030089162093367.	1.1	8
74	Longitudinal change during follow-up of systemic sclerosis: correlation between high-resolution computed tomography and pulmonary function tests. <i>Clinical Rheumatology</i> , 2021, 40, 213-219.	2.2	8
75	Association of hepatic steatosis with epicardial fat volume and coronary artery disease in symptomatic patients. <i>Radiologia Medica</i> , 2021, 126, 652-660.	7.7	8
76	Combining pulmonary and cardiac computed tomography biomarkers for disease-specific risk modelling in lung cancer screening. <i>European Respiratory Journal</i> , 2021, 58, 2003386.	6.7	8
77	Lung Cancer Screening: Evidence, Risks, and Opportunities for Implementation. <i>RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren</i> , 2021, 193, 1153-1161.	1.3	8
78	Integrated prognostication of intrahepatic cholangiocarcinoma by contrast-enhanced computed tomography: the adjunct yield of radiomics. <i>Abdominal Radiology</i> , 2021, 46, 4689-4700.	2.1	8
79	Lung volume reduction of pulmonary emphysema. <i>Current Opinion in Pulmonary Medicine</i> , 2016, 22, 179-186.	2.6	7
80	Spread through air spaces in lung adenocarcinoma: is radiology reliable yet?. <i>Journal of Thoracic Disease</i> , 2019, 11, S256-S261.	1.4	7
81	Frequency and characterization of ancillary chest CT findings in COVID-19 pneumonia. <i>British Journal of Radiology</i> , 2021, 94, 20200716.	2.2	7
82	The radiologist's role in lung cancer screening. <i>Translational Lung Cancer Research</i> , 2021, 10, 2356-2367.	2.8	7
83	Interstitial lung disease in Sjögren's syndrome: a clinical review. <i>Clinical and Experimental Rheumatology</i> , 2020, 38 Suppl 126, 291-300.	0.8	7
84	Dataset on the identification of a prognostic radio-immune signature in surgically resected Non Small Cell Lung Cancer. <i>Data in Brief</i> , 2020, 31, 105781.	1.0	6
85	Expression profiles of tRNA-derived fragments and their potential roles in lung adenocarcinoma. <i>Annals of Translational Medicine</i> , 2022, 10, 196-196.	1.7	6
86	FNA and CNB in the Diagnosis of Pulmonary Lesions: A Single-center Experience on 665 Patients, Comparison between Two Periods. <i>Tumori</i> , 2017, 103, 360-366.	1.1	5
87	Lung cancer screening: tell me more about post-test risk. <i>Journal of Thoracic Disease</i> , 2019, 11, 3681-3688.	1.4	5
88	Validation of a radiomic approach to decipher NSCLC immune microenvironment in surgically resected patients. <i>Tumori</i> , 2022, 108, 86-92.	1.1	5
89	Screen-detected solid nodules: from detection of nodule to structured reporting. <i>Translational Lung Cancer Research</i> , 2021, 10, 2335-2346.	2.8	5
90	Look around your target: a new approach to early diagnosis of lung cancer. <i>Annals of Translational Medicine</i> , 2018, 6, S77-S77.	1.7	5

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91	Scan-based competing death risk model for re-evaluating lung cancer computed tomography screening eligibility. <i>European Respiratory Journal</i> , 2022, 59, 2101613.	6.7	5
92	Inter-observer agreement of CT measurement of the glenoid bone surface by the CT Pico method: Comparison with laser in a cadaveric model. <i>Skeletal Radiology</i> , 2015, 44, 1491-1497.	2.0	4
93	CT angiography for pulmonary embolism in the emergency department: investigation of a protocol by 20Åml of high-concentration contrast medium. <i>Radiologia Medica</i> , 2020, 125, 137-144.	7.7	4
94	Imaging in non-cystic fibrosis bronchiectasis and current limitations. <i>BJR  Open</i> , 2021, 3, 20210026.	0.6	4
95	The natural course of incidentally detected, small, subsolid lung nodules— is follow-up needed beyond current guideline recommendations?. <i>Translational Lung Cancer Research</i> , 2019, 8, S412-S417.	2.8	3
96	Effect of iterative reconstruction on image quality of low-dose chest computed tomography. <i>Acta Biomedica</i> , 2016, 87, 168-76.	0.3	3
97	The importance of routine quality control for reproducible pulmonary measurements by in vivo micro-CT. <i>Scientific Reports</i> , 2022, 12, .	3.3	3
98	Semiautomatic Analysis on Computed Tomography in Locally Advanced or Metastatic Non-Small Cell Lung Cancer. <i>Journal of Thoracic Imaging</i> , 2015, 30, 290-299.	1.5	2
99	Refining Strategies to Identify Populations to Be Screened for Lung Cancer. <i>Thoracic Surgery Clinics</i> , 2015, 25, 217-221.	1.0	2
100	An uncommon cause of ascites: uroperitoneum from iatrogenic bladder fistula detected by CT urography. <i>BJR  case Reports</i> , 2016, 2, 20150391.	0.2	2
101	Review on radiological evolution of COVID-19 pneumonia using computed tomography. <i>World Journal of Radiology</i> , 2021, 13, 294-306.	1.1	2
102	Late Breaking Abstract - A Deep Learning Algorithm for Classifying Fibrotic Lung Disease on High Resolution Computed Tomography. , 2018, , .		2
103	The role of the radiologist in diagnosing the COVID-19 infection. Parma experiences. <i>Acta Biomedica</i> , 2020, 91, 169-171.	0.3	2
104	COVID-19 outbreak in Italy: Clinical-radiological presentation and outcome in three oncologic patients. <i>Journal of Infection and Chemotherapy</i> , 2021, 27, 99-102.	1.7	1
105	Using quantitative computed tomography to predict mortality in patients with interstitial lung disease related to systemic sclerosis: implications for personalized medicine. <i>Expert Review of Precision Medicine and Drug Development</i> , 2021, 6, 31-40.	0.7	1
106	Clinical Impact of COVID-19 Outbreak on Cancer Patients: A Retrospective Study. <i>Clinical Medicine Insights: Oncology</i> , 2021, 15, 117955492110434.	1.3	1
107	Approach to diffuse lung diseases: dilemmas, pitfalls and tips. <i>Journal of Radiological Review</i> , 2021, 8, .	0.1	1
108	Radiological Signs of Tumor Dissemination. <i>Cancer Dissemination Pathways</i> , 2020, , 35-46.	0.0	1

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109	Unusual Findings of Langerhans Cell Histiocytosis in a Young Asymptomatic Patient: Case Report. Journal of Pulmonary & Respiratory Medicine, 2014, 04, .	0.1	0
110	Pulmonary Vessel Cross-sectional Area before and after Liver Transplantation. Academic Radiology, 2015, 22, 752-759.	2.5	0
111	Feasibility, face, and content validity of quantitative computed tomography in interstitial lung disease related to connective tissue diseases. Journal of Basic and Clinical Physiology and Pharmacology, 2021, .	1.3	0
112	COPD phenotypes by high resolution computed tomography (HRCT) and ventilatory response to exercise. , 2015, , .		0
113	European lung cancer screening: valuable trial evidence for optimal practice implementation. British Journal of Radiology, 2022, 95, 20200260.	2.2	0