

# Rail San JosÃ© EstÃ©par

## List of Publications by Year in descending order

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Version: 2024-02-01

299  
papers

10,471  
citations

41344

49  
h-index

49909

87  
g-index

311  
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311  
docs citations

311  
times ranked

10312  
citing authors

#	ARTICLE	IF	CITATIONS
1	Significant Spirometric Transitions and Preserved Ratio Impaired Spirometry Among Ever Smokers. Chest, 2022, 161, 651-661.	0.8	33
2	Longitudinal Association Between Muscle Loss and Mortality in Ever Smokers. Chest, 2022, 161, 960-970.	0.8	18
3	Alpha-1 Antitrypsin MZ Heterozygosity Is an Endotype of Chronic Obstructive Pulmonary Disease. American Journal of Respiratory and Critical Care Medicine, 2022, 205, 313-323.	5.6	21
4	The association of lung function and pulmonary vasculature volume with cardiorespiratory fitness in the community. European Respiratory Journal, 2022, 60, 2101821.	6.7	4
5	Interstitial lung abnormalities are associated with decreased mean telomere length. European Respiratory Journal, 2022, 60, 2101814.	6.7	8
6	Artificial intelligence in functional imaging of the lung. British Journal of Radiology, 2022, 95, 20210527.	2.2	8
7	Left atrial contractile strain predicts recurrence of atrial tachyarrhythmia after catheter ablation. International Journal of Cardiology, 2022, 358, 51-57.	1.7	14
8	Traction Bronchiectasis/Bronchiolectasis on CT Scans in Relationship to Clinical Outcomes and Mortality: The COPDGene Study. Radiology, 2022, 304, 694-701.	7.3	13
9	Deep learning-based lesion subtyping and prediction of clinical outcomes in COVID-19 pneumonia using chest CT. Scientific Reports, 2022, 12, .	3.3	8
10	Association of Pulmonary Function With Late-Life Cardiac Function and Heart Failure Risk: The ARIC Study. Journal of the American Heart Association, 2022, 11, .	3.7	2
11	Association of quantitative CT lung density measurements and lung function decline in World Trade Center workers. Clinical Respiratory Journal, 2021, 15, 613-621.	1.6	5
12	Paired CT Measures of Emphysema and Small Airways Disease and Lung Function and Exercise Capacity in Smokers with Radiographic Bronchiectasis. Academic Radiology, 2021, 28, 370-378.	2.5	10
13	Pulmonary Vascular Pruning on Computed Tomography and Risk of Death in the Framingham Heart Study. American Journal of Respiratory and Critical Care Medicine, 2021, 203, 251-254.	5.6	9
14	Qualitative emphysema and risk of COPD hospitalization in a multicenter CT lung cancer screening cohort study. Respiratory Medicine, 2021, 176, 106245.	2.9	7
15	Distinguishing Smoking-Related Lung Disease Phenotypes Via Imaging and Molecular Features. Chest, 2021, 159, 549-563.	0.8	6
16	Vascular Pruning on CT and Interstitial Lung Abnormalities in the Framingham Heart Study. Chest, 2021, 159, 663-672.	0.8	12
17	Arterial vascular volume changes with haemodynamics in schistosomiasis-associated pulmonary arterial hypertension. European Respiratory Journal, 2021, 57, 2003914.	6.7	3
18	Progression of traction bronchiectasis/bronchiolectasis in interstitial lung abnormalities is associated with increased all-cause mortality: Age Gene/Environment Susceptibility-Reykjavik Study. European Journal of Radiology Open, 2021, 8, 100334.	1.6	15

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19	Respiratory exacerbations are associated with muscle loss in current and former smokers. Thorax, 2021, 76, 554-560.	5.6	20
20	Ambient air pollution exposure and radiographic pulmonary vascular volumes. Environmental Epidemiology, 2021, 5, e143.	3.0	2
21	Relationship between Emphysema Progression at CT and Mortality in Ever-Smokers: Results from the COPDGene and ECLIPSE Cohorts. Radiology, 2021, 299, 222-231.	7.3	27
22	Emphysema Progression and Lung Function Decline Among Angiotensin Converting Enzyme Inhibitors and Angiotensin-Receptor Blockade Users in the COPDGene Cohort. Chest, 2021, 160, 1245-1254.	0.8	9
23	Relative Predictive Value of Circulating Immune Markers in US Adults Without Cardiovascular Disease: Implications for Risk Reclassification. Mayo Clinic Proceedings, 2021, 96, 1812-1821.	3.0	5
24	Association between Cardiorespiratory Fitness and Bronchiectasis at CT: A Long-term Population-based Study of Healthy Young Adults Aged 18–30 Years in the CARDIA Study. Radiology, 2021, 300, 190-196.	7.3	0
25	Study protocol for a national cohort of adults focused on respiratory health: the American Lung Association Lung Health Cohort (ALA-LHC) Study. BMJ Open, 2021, 11, e053342.	1.9	2
26	A simple assessment of lung nodule location for reduction in unnecessary invasive procedures. Journal of Thoracic Disease, 2021, 13, 4207-4216.	1.4	0
27	Quantification of Arterial and Venous Morphologic Markers in Pulmonary Arterial Hypertension Using CT Imaging. Chest, 2021, 160, 2220-2231.	0.8	13
28	Pulmonary Arterial Pruning and Longitudinal Change in Percent Emphysema and Lung Function. Chest, 2021, 160, 470-480.	0.8	17
29	Loss of Pulmonary Vascular Volume as a Predictor of Right Ventricular Dysfunction and Mortality in Acute Pulmonary Embolism. Circulation: Cardiovascular Imaging, 2021, 14, e012347.	2.6	9
30	The Association Between Lung Hyperinflation and Coronary Artery Disease in Smokers. Chest, 2021, 160, 858-871.	0.8	7
31	Small Airway Disease and Emphysema Are Associated with Future Exacerbations in Smokers with CT-derived Bronchiectasis and COPD: Results from the COPDGene Cohort. Radiology, 2021, 300, 706-714.	7.3	16
32	Harmonization of in-plane resolution in CT using multiple reconstructions from single acquisitions. Medical Physics, 2021, 48, 6941-6961.	3.0	0
33	QIBA guidance: Computed tomography imaging for COVID-19 quantitative imaging applications. Clinical Imaging, 2021, 77, 151-157.	1.5	11
34	Evolution of Obstructive Lung Function in Advanced Pulmonary Arterial Hypertension. American Journal of Respiratory and Critical Care Medicine, 2021, 204, 1478-1481.	5.6	4
35	Artificial Intelligence in COPD: New Venues to Study a Complex Disease. Barcelona Respiratory Network, 2021, 6, 144-160.	0.5	2
36	Vascular remodeling of the small pulmonary arteries and measures of vascular pruning on computed tomography. Pulmonary Circulation, 2021, 11, 1-9.	1.7	6

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37	Estimated Ventricular Size, Asthma Severity, and Exacerbations. Chest, 2020, 157, 258-267.	0.8	4
38	Ventilation Heterogeneity and Its Association with Nodule Formation Among Participants in the National Lung Screening Trial—A Preliminary Investigation. Academic Radiology, 2020, 27, 630-635.	2.5	0
39	Adult Life-Course Trajectories of Lung Function and the Development of Emphysema: The CARDIA Lung Study. American Journal of Medicine, 2020, 133, 222-230.e11.	1.5	27
40	Disease Progression Modeling in Chronic Obstructive Pulmonary Disease. American Journal of Respiratory and Critical Care Medicine, 2020, 201, 294-302.	5.6	56
41	Biomarker Localization From Deep Learning Regression Networks. IEEE Transactions on Medical Imaging, 2020, 39, 2121-2132.	8.9	16
42	Machine Learning Characterization of COPD Subtypes. Chest, 2020, 157, 1147-1157.	0.8	44
43	Phenotypic characterisation of early COPD: a prospective case-control study. ERJ Open Research, 2020, 6, 00047-2020.	2.6	21
44	Position paper on COVID-19 imaging and AI: From the clinical needs and technological challenges to initial AI solutions at the lab and national level towards a new era for AI in healthcare. Medical Image Analysis, 2020, 66, 101800.	11.6	44
45	Traction Bronchiectasis/Bronchiolectasis is Associated with Interstitial Lung Abnormality Mortality. European Journal of Radiology, 2020, 129, 109073.	2.6	38
46	Statistical characterization of the linear attenuation coefficient in polychromatic CT scans. Medical Physics, 2020, 47, 5568-5581.	3.0	3
47	Quantitative Pectoralis Muscle Area is Associated with the Development of Lung Cancer in a Large Lung Cancer Screening Cohort. Lung, 2020, 198, 847-853.	3.3	9
48	Tumor density is associated with response to endobronchial ultrasound-guided transbronchial needle injection of cisplatin. Journal of Thoracic Disease, 2020, 12, 4825-4832.	1.4	6
49	Machine Learning and Prediction of All-Cause Mortality in COPD. Chest, 2020, 158, 952-964.	0.8	62
50	Smaller Left Ventricle Size at Noncontrast CT Is Associated with Lower Mortality in COPD Gene Participants. Radiology, 2020, 296, 208-215.	7.3	6
51	Estimating Local Tissue Expansion in Thoracic Computed Tomography Images Using Convolutional Neural Networks. , 2020, , .		3
52	SlicerDMRI: Diffusion MRI and Tractography Research Software for Brain Cancer Surgery Planning and Visualization. JCO Clinical Cancer Informatics, 2020, 4, 299-309.	2.1	52
53	An open-source framework for pulmonary fissure completeness assessment. Computerized Medical Imaging and Graphics, 2020, 83, 101712.	5.8	2
54	Evidence for Expanding Invasive Mediastinal Staging for Peripheral T1 Lung Tumors. Chest, 2020, 158, 2192-2199.	0.8	16

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55	Interstitial lung abnormalities detected incidentally on CT: a Position Paper from the Fleischner Society. <i>Lancet Respiratory Medicine</i> , 2020, 8, 726-737.	10.7	279
56	A Highly Phenotyped Open Access Repository of Alpha-1 Antitrypsin Deficiency Pluripotent Stem Cells. <i>Stem Cell Reports</i> , 2020, 15, 242-255.	4.8	17
57	Pulmonary artery enlargement and mortality risk in moderate to severe COPD: results from COPDGene. <i>European Respiratory Journal</i> , 2020, 55, 1901812.	6.7	15
58	Classification of Interstitial Lung Abnormality Patterns with an Ensemble of Deep Convolutional Neural Networks. <i>Scientific Reports</i> , 2020, 10, 338.	3.3	61
59	Luminal Plugging on Chest CT Scan. <i>Chest</i> , 2020, 158, 121-130.	0.8	27
60	Quantitative CT Evidence of Airway Inflammation in WTC Workers and Volunteers with Low FVC Spirometric Pattern. <i>Lung</i> , 2020, 198, 555-563.	3.3	13
61	Generative-based airway and vessel morphology quantification on chest CT images. <i>Medical Image Analysis</i> , 2020, 63, 101691.	11.6	11
62	Functional-Consistent CycleGAN for CT to Iodine Perfusion Map Translation. <i>Lecture Notes in Computer Science</i> , 2020, , 109-117.	1.3	2
63	Multi-cavity Heart Segmentation in Non-contrast Non-ECG Gated CT Scans with F-CNN. <i>Lecture Notes in Computer Science</i> , 2020, , 14-23.	1.3	1
64	Chest Imaging for Precision Medicine. <i>Respiratory Medicine</i> , 2020, , 107-115.	0.1	0
65	MRI to CTA Translation for Pulmonary Artery Evaluation Using CycleGANs Trained with Unpaired Data. <i>Lecture Notes in Computer Science</i> , 2020, , 118-129.	1.3	0
66	A SR-NET 3D-to-2D Architecture For Paraseptal Emphysema Segmentation. , 2019, 2019, 303-306.		2
67	Localizing Image-Based Biomarker Regression Without Training Masks: A New Approach to Biomarker Discovery. , 2019, 2019, 679-682.		0
68	Pulmonary vascular density: comparison of findings on computed tomography imaging with histology. <i>European Respiratory Journal</i> , 2019, 54, 1900370.	6.7	47
69	Increased pulmonary artery diameter is associated with reduced FEV <sub>1</sub> in former World Trade Center workers. <i>Clinical Respiratory Journal</i> , 2019, 13, 614-623.	1.6	5
70	B Cell Adaptive Immune Profile in Emphysema-Predominant Chronic Obstructive Pulmonary Disease. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019, 200, 1434-1439.	5.6	22
71	Association of Obesity with Quantitative Chest CT Measured Airway Wall Thickness in WTC Workers with Lower Airway Disease. <i>Lung</i> , 2019, 197, 517-522.	3.3	4
72	Radiographic pulmonary vessel volume, lung function and airways disease in the Framingham Heart Study. <i>European Respiratory Journal</i> , 2019, 54, 1900408.	6.7	28

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73	Semi-quantitative visual assessment of chest radiography is associated with clinical outcomes in critically ill patients. <i>Respiratory Research</i> , 2019, 20, 218.	3.6	12
74	RELATIONSHIP BETWEEN LOSS OF PULMONARY VASCULAR VOLUME AND RV/LV RATIO IN ACUTE PULMONARY EMBOLISM. <i>Chest</i> , 2019, 156, A1183.	0.8	0
75	Regression of The Navier-Stokes Equation Solutions For Pulmonary Airway Flow Using Neural Networks. , 2019, 2019, 1229-1233.		0
76	Harmonization of chest CT scans for different doses and reconstruction methods. <i>Medical Physics</i> , 2019, 46, 3117-3132.	3.0	8
77	The St. George's Respiratory Questionnaire Definition of Chronic Bronchitis May Be a Better Predictor of COPD Exacerbations Compared With the Classic Definition. <i>Chest</i> , 2019, 156, 685-695.	0.8	40
78	Arterial Vascular Pruning, Right Ventricular Size, and Clinical Outcomes in Chronic Obstructive Pulmonary Disease. A Longitudinal Observational Study. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019, 200, 454-461.	5.6	73
79	Cigarette Smoke Exposure and Radiographic Pulmonary Vascular Morphology in the Framingham Heart Study. <i>Annals of the American Thoracic Society</i> , 2019, 16, 698-706.	3.2	16
80	Objectively Measured Chronic Lung Injury on Chest CT. <i>Chest</i> , 2019, 156, 1149-1159.	0.8	9
81	DISTAL PARENCHYMAL VASCULAR VOLUME LOSS IN CLINICAL CT IMAGING AS A PREDICTOR OF LONG-TERM OXYGEN REQUIREMENT AFTER SUBMASSIVE PULMONARY EMBOLISM. <i>Chest</i> , 2019, 156, A16-A17.	0.8	0
82	Quantification and Significance of Pulmonary Vascular Volume in Predicting Response to Ultrasound-Facilitated, Catheter-Directed Fibrinolysis in Acute Pulmonary Embolism (SEATTLE-3D). <i>Circulation: Cardiovascular Imaging</i> , 2019, 12, e009903.	2.6	13
83	Increased Airway Wall Thickness in Interstitial Lung Abnormalities and Idiopathic Pulmonary Fibrosis. <i>Annals of the American Thoracic Society</i> , 2019, 16, 447-454.	3.2	20
84	A graph-cut approach for pulmonary artery-vein segmentation in noncontrast CT images. <i>Medical Image Analysis</i> , 2019, 52, 144-159.	11.6	24
85	Using a spatial point process framework to characterize lung computed tomography scans. <i>Spatial Statistics</i> , 2019, 29, 243-267.	1.9	2
86	Quantification of the Pulmonary Vascular Response to Inhaled Nitric Oxide Using Noncontrast Computed Tomography Imaging. <i>Circulation: Cardiovascular Imaging</i> , 2019, 12, e008338.	2.6	11
87	Integrative Genomics Analysis Identifies ACVR1B as a Candidate Causal Gene of Emphysema Distribution. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2019, 60, 388-398.	2.9	15
88	Imaging Advances in Chronic Obstructive Pulmonary Disease. Insights from the Genetic Epidemiology of Chronic Obstructive Pulmonary Disease (COPDGene) Study. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019, 199, 286-301.	5.6	100
89	COPDGene® 2019: Redefining the Diagnosis of Chronic Obstructive Pulmonary Disease. <i>Chronic Obstructive Pulmonary Diseases (Miami, Fla )</i> , 2019, 6, 384-399.	0.7	112
90	Identification of an emphysema-associated genetic variant near TGFB2 with regulatory effects in lung fibroblasts. <i>ELife</i> , 2019, 8, .	6.0	21

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91	Bronchial Cartilage Assessment with Model-Based GAN Regressor. Lecture Notes in Computer Science, 2019, 11769, 357-365.	1.3	1
92	Targeting Precision with Data Augmented Samples in Deep Learning. Lecture Notes in Computer Science, 2019, 11769, 284-292.	1.3	1
93	Abdominal Aortic Aneurysm Segmentation Using Convolutional Neural Networks Trained with Images Generated with a Synthetic Shape Model. Lecture Notes in Computer Science, 2019, 11794, 167-174.	1.3	3
94	Longitudinal Modeling of Lung Function Trajectories in Smokers with and without Chronic Obstructive Pulmonary Disease. American Journal of Respiratory and Critical Care Medicine, 2018, 198, 1033-1042.	5.6	38
95	Pruning of the Pulmonary Vasculature in Asthma. The Severe Asthma Research Program (SARP) Cohort. American Journal of Respiratory and Critical Care Medicine, 2018, 198, 39-50.	5.6	51
96	Reply to Mummadi <i>et al.</i> : Overfitting and Use of Mismatched Cohorts in Deep Learning Models: Preventable Design Limitations. American Journal of Respiratory and Critical Care Medicine, 2018, 198, 545-545.	5.6	3
97	Association between acute respiratory disease events and the <i>MUC5B</i> promoter polymorphism in smokers. Thorax, 2018, 73, 1071-1074.	5.6	13
98	Respiratory Symptoms in Young Adults and Future Lung Disease. The CARDIA Lung Study. American Journal of Respiratory and Critical Care Medicine, 2018, 197, 1616-1624.	5.6	62
99	Exposure to Traffic Emissions and Fine Particulate Matter and Computed Tomography Measures of the Lung and Airways. Epidemiology, 2018, 29, 333-341.	2.7	15
100	Asthma Is a Risk Factor for Respiratory Exacerbations Without Increased Rate of Lung Function Decline. Chest, 2018, 153, 368-377.	0.8	14
101	Autocalibration method for non-stationary CT bias correction. Medical Image Analysis, 2018, 44, 115-125.	11.6	8
102	Pectoralis muscle area and mortality in smokers without airflow obstruction. Respiratory Research, 2018, 19, 62.	3.6	41
103	Blood eosinophil count thresholds and exacerbations in patients with chronic obstructive pulmonary disease. Journal of Allergy and Clinical Immunology, 2018, 141, 2037-2047.e10.	2.9	138
104	Disease Severity Dependence of the Longitudinal Association Between CT Lung Density and Lung Function in Smokers. Chest, 2018, 153, 638-645.	0.8	16
105	Lobar Emphysema Distribution Is Associated With 5-Year Radiological Disease Progression. Chest, 2018, 153, 65-76.	0.8	36
106	Disease Staging and Prognosis in Smokers Using Deep Learning in Chest Computed Tomography. American Journal of Respiratory and Critical Care Medicine, 2018, 197, 193-203.	5.6	189
107	MUSCLE QUALITY IS REDUCED IN SMOKERS WITH BRONCHIECTASIS. Chest, 2018, 154, 727A.	0.8	0
108	Pulmonary vascular pruning in smokers with bronchiectasis. ERJ Open Research, 2018, 4, 00044-2018.	2.6	19



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109	Deep learning for biomarker regression: application to osteoporosis and emphysema on chest CT scans. , 2018, 10574, .		13
110	Automated Agatston score computation in non-ECG gated CT scans using deep learning. , 2018, 10574, .		37
111	3D Pulmonary Artery Segmentation from CTA Scans Using Deep Learning with Realistic Data Augmentation. Lecture Notes in Computer Science, 2018, 11040, 225-237.	1.3	13
112	A CT Scan Harmonization Technique to Detect Emphysema and Small Airway Diseases. Lecture Notes in Computer Science, 2018, 11040, 180-190.	1.3	1
113	Accurate Measurement of Airway Morphology on Chest CT Images. Lecture Notes in Computer Science, 2018, 11040, 335-347.	1.3	5
114	Emphysema quantification on simulated X-rays through deep learning techniques. , 2018, 2018, 273-276.		13
115	Identification of Chronic Obstructive Pulmonary Disease Axes That Predict All-Cause Mortality. American Journal of Epidemiology, 2018, 187, 2109-2116.	3.4	25
116	Increased Airway Wall Thickness is Associated with Adverse Longitudinal Firstâ€“Second Forced Expiratory Volume Trajectories of Former World Trade Center workers. Lung, 2018, 196, 481-489.	3.3	15
117	Pulmonary Arteryâ€“Vein Classification in CT Images Using Deep Learning. IEEE Transactions on Medical Imaging, 2018, 37, 2428-2440.	8.9	129
118	Emphysema classification using a multi-view convolutional network. , 2018, 2018, 519-522.		11
119	Interstitial Features at Chest CT Enhance the Deleterious Effects of Emphysema in the COPDGene Cohort. Radiology, 2018, 288, 600-609.	7.3	37
120	Longitudinal Phenotypes and Mortality in Preserved Ratio Impaired Spirometry in the COPDGene Study. American Journal of Respiratory and Critical Care Medicine, 2018, 198, 1397-1405.	5.6	132
121	NOVIFAST: A Fast Algorithm for Accurate and Precise VFA MRI $\mathcal{T}_1$ Mapping. IEEE Transactions on Medical Imaging, 2018, 37, 2414-2427.	8.9	10
122	Multi-structure Segmentation from Partially Labeled Datasets. Application to Body Composition Measurements on CT Scans. Lecture Notes in Computer Science, 2018, 11040, 215-224.	1.3	11
123	Diffeomorphic Lung Registration Using Deep CNNs and Reinforced Learning. Lecture Notes in Computer Science, 2018, 11040, 284-294.	1.3	7
124	Multiorgan structures detection using deep convolutional neural networks. , 2018, 10574, .		4
125	Airway fractal dimension predicts respiratory morbidity and mortality in COPD. Journal of Clinical Investigation, 2018, 128, 5374-5382.	8.2	38
126	On the Relevance of the Loss Function in the Agatston Score Regression from Non-ECG Gated CT Scans. Lecture Notes in Computer Science, 2018, 11040, 326-334.	1.3	4



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127	Statistical Framework for the Definition of Emphysema in CT Scans: Beyond Density Mask. Lecture Notes in Computer Science, 2018, 11071, 821-829.	1.3	0
128	Obesity modifies the effect of WTC exposure on quantitative chest CT measured airway wall thickness. , 2018, , .		0
129	Small Airway Imaging Abnormalities in Smokers with Bronchiectasis. , 2018, , .		0
130	Objective CT measurements of the bronchovascular bundle in smokers with bronchiectasis. , 2018, , .		0
131	CT Based Arterial and Venous Morphologic Changes In Pulmonary Hypertension Associated with COPD. , 2018, , .		0
132	Lower Pectoralis Muscle Area Is Associated with a Worse Overall Survival in Non-“Small Cell Lung Cancer. Cancer Epidemiology Biomarkers and Prevention, 2017, 26, 38-43.	2.5	61
133	Quantitative computed tomography assessment of bronchiolitis obliterans syndrome after lung transplantation. Clinical Transplantation, 2017, 31, e12943.	1.6	10
134	Genetic Association and Risk Scores in a Chronic Obstructive Pulmonary Disease Meta-analysis of 16,707 Subjects. American Journal of Respiratory Cell and Molecular Biology, 2017, 57, 35-46.	2.9	55
135	Cardiac Morphometry on Computed Tomography and Exacerbation Reduction with $\beta$ -Blocker Therapy in Chronic Obstructive Pulmonary Disease. American Journal of Respiratory and Critical Care Medicine, 2017, 196, 1484-1488.	5.6	16
136	Quantitative CT Measures of Bronchiectasis in Smokers. Chest, 2017, 151, 1255-1262.	0.8	55
137	Statistical characterization of noise for spatial standardization of CT scans: Enabling comparison with multiple kernels and doses. Medical Image Analysis, 2017, 40, 44-59.	11.6	14
138	Clinical and Genetic Associations of Objectively Identified Interstitial Changes in Smokers. Chest, 2017, 152, 780-791.	0.8	37
139	Deep-learning strategy for pulmonary artery-vein classification of non-contrast CT images. , 2017, , .		10
140	3D Printing and Personalized Airway Stents. Pulmonary Therapy, 2017, 3, 59-66.	2.2	30
141	Semiautomated biventricular segmentation in three-dimensional echocardiography by coupled deformable surfaces. Journal of Medical Imaging, 2017, 4, 024005.	1.5	6
142	Densitometric and local histogram based analysis of computed tomography images in patients with idiopathic pulmonary fibrosis. Respiratory Research, 2017, 18, 45.	3.6	70
143	Ventricular Geometry From Non-contrast Non-ECG-gated CT Scans. Academic Radiology, 2017, 24, 594-602.	2.5	19
144	Lung Mass in Smokers. Academic Radiology, 2017, 24, 386-392.	2.5	15

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145	The Objective Identification and Quantification of Interstitial Lung Abnormalities in Smokers. Academic Radiology, 2017, 24, 941-946.	2.5	37
146	The <i>MUC5B</i> promoter polymorphism is associated with specific interstitial lung abnormality subtypes. European Respiratory Journal, 2017, 50, 1700537.	6.7	55
147	Chest computed tomography-derived low-fat-free mass index and mortality in COPD. European Respiratory Journal, 2017, 50, 1701134.	6.7	53
148	SlicerDMRI: Open Source Diffusion MRI Software for Brain Cancer Research. Cancer Research, 2017, 77, e101-e103.	0.9	89
149	Visual Assessment of Chest Computed Tomographic Images Is Independently Useful for Genetic Association Analysis in Studies of Chronic Obstructive Pulmonary Disease. Annals of the American Thoracic Society, 2017, 14, 33-40.	3.2	15
150	Bronchoarterial ratio in never-smokers adults: Implications for bronchial dilation definition. Respirology, 2017, 22, 108-113.	2.3	28
151	A Bayesian Nonparametric Model for Disease Subtyping: Application to Emphysema Phenotypes. IEEE Transactions on Medical Imaging, 2017, 36, 343-354.	8.9	17
152	Loss of Small Vessel Volume Fraction as a Marker for Pulmonary Hypertension in COPD. Chest, 2017, 152, A986.	0.8	0
153	Changes in Intraparenchymal Small Vessel Density and Its Relation to Echocardiographic Findings and Cardiac Biomarkers in Patients With Acute Pulmonary Embolism. Chest, 2017, 152, A1042.	0.8	0
154	Application of the 3D slicer chest imaging platform segmentation algorithm for large lung nodule delineation. PLoS ONE, 2017, 12, e0178944.	2.5	35
155	Differences in Respiratory Symptoms and Lung Structure Between Hispanic and Non-Hispanic White Smokers: A Comparative Study. Chronic Obstructive Pulmonary Diseases (Miami, Fla ), 2017, 4, 297-304.	0.7	3
156	Inferring Disease Status by Non-parametric Probabilistic Embedding. Lecture Notes in Computer Science, 2017, , 49-57.	1.3	0
157	Repeatability of real world, non-research chest CT scan-based lung density metrics. , 2017, , .		0
158	Discordant and concordant FOT-spirometry phenotypes in a COPD population. , 2017, , .		0
159	Implementation and Performance of Automated Software for Computing Right-to-Left Ventricular Diameter Ratio From Computed Tomography Pulmonary Angiography Images. Journal of Computer Assisted Tomography, 2016, 40, 387-392.	0.9	10
160	Multi-atlas and label fusion approach for patient-specific MRI based skull estimation. Magnetic Resonance in Medicine, 2016, 75, 1797-1807.	3.0	21
161	Changes in Intraparenchymal Arterial and Venous Blood Distribution Quantified From CT Scans in PAH. Chest, 2016, 150, 1175A.	0.8	0
162	Magnetic resonance imaging provides sensitive in vivo assessment of experimental ventilator-induced lung injury. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2016, 311, L208-L218.	2.9	16

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163	Arterial and Venous Pulmonary Vascular Morphology and Their Relationship to Findings in Cardiac Magnetic Resonance Imaging in Smokers. <i>Journal of Computer Assisted Tomography</i> , 2016, 40, 948-952.	0.9	21
164	Changes in Intraparenchymal Arterial and Venous Blood Distribution Quantified From CT Scans in Pulmonary Hypertension With Elevated Wedge Pressure. <i>Chest</i> , 2016, 150, 1179A.	0.8	1
165	Robust spatio-temporal registration of 4D cardiac ultrasound sequences. <i>Proceedings of SPIE</i> , 2016, 9790, .	0.8	5
166	Distinct emphysema subtypes defined by quantitative CT analysis are associated with specific pulmonary matrix metalloproteinases. <i>Respiratory Research</i> , 2016, 17, 92.	3.6	29
167	Automated Agatston score computation in a large dataset of non ECG-gated chest computed tomography. , 2016, 2016, 53-57.		19
168	A Novel Spirometric Measure Identifies Mild COPD Unidentified by Standard Criteria. <i>Chest</i> , 2016, 150, 1080-1090.	0.8	39
169	Increasing the impact of medical image computing using community-based open-access hackathons: The NA-MIC and 3D Slicer experience. <i>Medical Image Analysis</i> , 2016, 33, 176-180.	11.6	58
170	Pulmonary Vascular Morphology as an Imaging Biomarker in Chronic Thromboembolic Pulmonary Hypertension. <i>Pulmonary Circulation</i> , 2016, 6, 70-81.	1.7	47
171	Computer keyboard interaction as an indicator of early Parkinson's disease. <i>Scientific Reports</i> , 2016, 6, 34468.	3.3	78
172	Clinical, physiologic, and radiographic factors contributing to development of hypoxemia in moderate to severe COPD: a cohort study. <i>BMC Pulmonary Medicine</i> , 2016, 16, 169.	2.0	21
173	Derivation of a test statistic for emphysema quantification. , 2016, 2016, 1269-1273.		1
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