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List of Publications by Year in Descending Order

272 papers	7,057 citations	43 h-index	73 g-index
311 ext. papers	8,844 ext. citations	5.1 avg, IF	5.53 L-index

#	Paper	IF	Citations
272	Association of quantitative CT lung density measurements and lung function decline in World Trade Center workers. *Clinical Respiratory Journal*, **2021**, 15, 613-621	1.7	2
271	Vascular remodeling of the small pulmonary arteries and measures of vascular pruning on computed tomography. *Pulmonary Circulation*, **2021**, 11, 20458940211061284	2.7	1
270	Longitudinal association between muscle loss and mortality in ever-smokers. *Chest*, **2021**,	5.3	1
269	Ambient air pollution exposure and radiographic pulmonary vascular volumes. *Environmental Epidemiology*, **2021**, 5, e143	0.2	1
268	Relationship between Emphysema Progression at CT and Mortality in Ever-Smokers: Results from the COPDGene and ECLIPSE Cohorts. *Radiology*, **2021**, 299, 222-231	20.5	3
267	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	5.3	0
266	Relative Predictive Value of Circulating Immune Markers in US Adults Without Cardiovascular Disease: Implications for Risk Reclassification. *Mayo Clinic Proceedings*, **2021**, 96, 1812-1821	6.4	1
265	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	4.3	4
264	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	10.2	5
263	Qualitative emphysema and risk of COPD hospitalization in a multicenter CT lung cancer screening cohort study. *Respiratory Medicine*, **2021**, 176, 106245	4.6	2
262	Distinguishing Smoking-Related Lung Disease Phenotypes Via Imaging and Molecular Features. *Chest*, **2021**, 159, 549-563	5.3	1
261	Vascular Pruning on CT and Interstitial Lung Abnormalities in the Framingham Heart Study. *Chest*, **2021**, 159, 663-672	5.3	3
260	Arterial vascular volume changes with haemodynamics in schistosomiasis-associated pulmonary arterial hypertension. *European Respiratory Journal*, **2021**, 57,	13.6	0
259	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	2.6	4
258	Respiratory exacerbations are associated with muscle loss in current and former smokers. *Thorax*, **2021**, 76, 554-560	7.3	5
257	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	20.5	
256	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	3	0

255	A simple assessment of lung nodule location for reduction in unnecessary invasive procedures. *Journal of Thoracic Disease*, **2021**, 13, 4207-4216	2.6	
254	Quantification of Arterial and Venous Morphologic Markers in Pulmonary Arterial Hypertension Using CT Imaging. *Chest*, **2021**, 160, 2220-2231	5.3	4
253	Pulmonary Arterial Pruning and Longitudinal Change in Percent Emphysema and Lung Function: The Genetic Epidemiology of COPD Study. *Chest*, **2021**, 160, 470-480	5.3	2
252	Loss of Pulmonary Vascular Volume as a Predictor of Right Ventricular Dysfunction and Mortality in Acute Pulmonary Embolism. *Circulation: Cardiovascular Imaging*, **2021**, 14, e012347	3.9	1
251	The Association Between Lung Hyperinflation and Coronary Artery Disease in Smokers. *Chest*, **2021**, 160, 858-871	5.3	0
250	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	20.5	2
249	Harmonization of in-plane resolution in CT using multiple reconstructions from single acquisitions. *Medical Physics*, **2021**, 48, 6941-6961	4.4	
248	QIBA guidance: Computed tomography imaging for COVID-19 quantitative imaging applications. *Clinical Imaging*, **2021**, 77, 151-157	2.7	5
247	Significant Spirometric Transitions and Preserved Ratio Impaired Spirometry Among Ever Smokers. *Chest*, **2021**,	5.3	2
246	Evolution of Obstructive Lung Function in Advanced Pulmonary Arterial Hypertension. *American Journal of Respiratory and Critical Care Medicine*, **2021**,	10.2	2
245	Artificial intelligence in functional imaging of the lung. *British Journal of Radiology*, **2021**, 20210527	3.4	1
244	Tumor density is associated with response to endobronchial ultrasound-guided transbronchial needle injection of cisplatin. *Journal of Thoracic Disease*, **2020**, 12, 4825-4832	2.6	1
243	Machine Learning and Prediction of All-Cause Mortality in COPD. *Chest*, **2020**, 158, 952-964	5.3	15
242	Smaller Left Ventricle Size at Noncontrast CT Is Associated with Lower Mortality in COPDGene Participants. *Radiology*, **2020**, 296, 208-215	20.5	4
241	SlicerDMRI: Diffusion MRI and Tractography Research Software for Brain Cancer Surgery Planning and Visualization. *JCO Clinical Cancer Informatics*, **2020**, 4, 299-309	5.2	19
240	An open-source framework for pulmonary fissure completeness assessment. *Computerized Medical Imaging and Graphics*, **2020**, 83, 101712	7.6	0
239	Evidence for Expanding Invasive Mediastinal Staging for Peripheral T1 Lung Tumors. *Chest*, **2020**, 158, 2192-2199	5.3	6
238	Interstitial lung abnormalities detected incidentally on CT: a Position Paper from the Fleischner Society. *Lancet Respiratory Medicine,the*, **2020**, 8, 726-737	35.1	77

237	A Highly Phenotyped Open Access Repository of Alpha-1 Antitrypsin Deficiency Pluripotent Stem Cells. *Stem Cell Reports*, **2020**, 15, 242-255	8	10
236	Pulmonary artery enlargement and mortality risk in moderate to severe COPD: results from COPDGene. *European Respiratory Journal*, **2020**, 55,	13.6	9
235	Classification of Interstitial Lung Abnormality Patterns with an Ensemble of Deep Convolutional Neural Networks. *Scientific Reports*, **2020**, 10, 338	4.9	30
234	Luminal Plugging on Chest CT Scan: Association With Lung Function, Quality of Life, and COPD Clinical Phenotypes. *Chest*, **2020**, 158, 121-130	5.3	10
233	Quantitative CT Evidence of Airway Inflammation in WTC Workers and Volunteers with Low FVC Spirometric Pattern. *Lung*, **2020**, 198, 555-563	2.9	9
232	MRI to CTA Translation for Pulmonary Artery Evaluation Using CycleGANs Trained with Unpaired Data. *Lecture Notes in Computer Science*, **2020**, 118-129	0.9	
231	Artificial Intelligence in COPD: New Venues to Study a Complex Disease **2020**, 6, 144-160		0
230	Functional-Consistent CycleGAN for CT to Iodine Perfusion Map Translation. *Lecture Notes in Computer Science*, **2020**, 109-117	0.9	1
229	Multi-cavity Heart Segmentation in Non-contrast Non-ECG Gated CT Scans with F-CNN. *Lecture Notes in Computer Science*, **2020**, 14-23	0.9	0
228	Chest Imaging for Precision Medicine. *Respiratory Medicine*, **2020**, 107-115	0.2	
227	Disease Progression Modeling in Chronic Obstructive Pulmonary Disease. *American Journal of Respiratory and Critical Care Medicine*, **2020**, 201, 294-302	10.2	20
226	Biomarker Localization From Deep Learning Regression Networks. *IEEE Transactions on Medical Imaging*, **2020**, 39, 2121-2132	11.7	9
225	Machine Learning Characterization of COPD Subtypes: Insights From the COPDGene Study. *Chest*, **2020**, 157, 1147-1157	5.3	18
224	Phenotypic characterisation of early COPD: a prospective case-control study. *ERJ Open Research*, **2020**, 6,	3.5	9
223	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	15.4	30
222	Traction Bronchiectasis/Bronchiolectasis is Associated with Interstitial Lung Abnormality Mortality. *European Journal of Radiology*, **2020**, 129, 109073	4.7	11
221	Statistical characterization of the linear attenuation coefficient in polychromatic CT scans. *Medical Physics*, **2020**, 47, 5568-5581	4.4	1
220	Quantitative Pectoralis Muscle Area is Associated with the Development of Lung Cancer in a Large Lung Cancer Screening Cohort. *Lung*, **2020**, 198, 847-853	2.9	4

219	Estimated Ventricular Size, Asthma Severity, and Exacerbations: The Severe Asthma Research Program III Cohort. *Chest*, **2020**, 157, 258-267	5.3	1
218	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	4.3	
217	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	2.4	7
216	Generative-based airway and vessel morphology quantification on chest CT images. *Medical Image Analysis*, **2020**, 63, 101691	15.4	4
215	REGRESSION OF THE NAVIER-STOKES EQUATION SOLUTIONS FOR PULMONARY AIRWAY FLOW USING NEURAL NETWORKS **2019**, 2019, 1229-1233	1.5	
214	Harmonization of chest CT scans for different doses and reconstruction methods. *Medical Physics*, **2019**, 46, 3117-3132	4.4	3
213	The St. George's Respiratory Questionnaire Definition of Chronic Bronchitis May Be a Better Predictor of COPD Exacerbations Compared With the Classic Definition. *Chest*, **2019**, 156, 685-695	5.3	19
212	Arterial Vascular Pruning, Right Ventricular Size, and Clinical Outcomes in Chronic Obstructive Pulmonary Disease. A Longitudinal Observational Study. *American Journal of Respiratory and Critical Care Medicine*, **2019**, 200, 454-461	10.2	37
211	A SR-NET 3D-TO-2D ARCHITECTURE FOR PARASEPTAL EMPHYSEMA SEGMENTATION **2019**, 2019, 303-306	1.5	1
210	LOCALIZING IMAGE-BASED BIOMARKER REGRESSION WITHOUT TRAINING MASKS: A NEW APPROACH TO BIOMARKER DISCOVERY **2019**, 2019, 679-682	1.5	
209	Pulmonary vascular density: comparison of findings on computed tomography imaging with histology. *European Respiratory Journal*, **2019**, 54,	13.6	25
208	Increased pulmonary artery diameter is associated with reduced FEV in former World Trade Center workers. *Clinical Respiratory Journal*, **2019**, 13, 614-623	1.7	3
207	B Cell-Adaptive Immune Profile in Emphysema-Predominant Chronic Obstructive Pulmonary Disease. *American Journal of Respiratory and Critical Care Medicine*, **2019**, 200, 1434-1439	10.2	11
206	Association of Obesity with Quantitative Chest CT Measured Airway Wall Thickness in WTC Workers with Lower Airway Disease. *Lung*, **2019**, 197, 517-522	2.9	2
205	Radiographic pulmonary vessel volume, lung function and airways disease in the Framingham Heart Study. *European Respiratory Journal*, **2019**, 54,	13.6	12
204	Semi-quantitative visual assessment of chest radiography is associated with clinical outcomes in critically ill patients. *Respiratory Research*, **2019**, 20, 218	7.3	8
203	COPDGene 2019: Redefining the Diagnosis of Chronic Obstructive Pulmonary Disease. *Chronic Obstructive Pulmonary Diseases (Miami, Fla)*, **2019**, 6, 384-399	2.7	61
202	Identification of an emphysema-associated genetic variant near with regulatory effects in lung fibroblasts. *ELife*, **2019**, 8,	8.9	12

201	Bronchial Cartilage Assessment with Model-Based GAN Regressor. *Lecture Notes in Computer Science*, **2019**, 11769, 357-365	0.9	1
200	Targeting Precision with Data Augmented Samples in Deep Learning. *Lecture Notes in Computer Science*, **2019**, 11769, 284-292	0.9	
199	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	0.9	1
198	Cigarette Smoke Exposure and Radiographic Pulmonary Vascular Morphology in the Framingham Heart Study. *Annals of the American Thoracic Society*, **2019**, 16, 698-706	4.7	9
197	Objectively Measured Chronic Lung Injury on Chest CT. *Chest*, **2019**, 156, 1149-1159	5.3	3
196	Quantification and Significance of Pulmonary Vascular Volume in Predicting Response to Ultrasound-Facilitated, Catheter-Directed Fibrinolysis in Acute Pulmonary Embolism (SEATTLE-3D). *Circulation: Cardiovascular Imaging*, **2019**, 12, e009903	3.9	7
195	Increased Airway Wall Thickness in Interstitial Lung Abnormalities and Idiopathic Pulmonary Fibrosis. *Annals of the American Thoracic Society*, **2019**, 16, 447-454	4.7	15
194	A graph-cut approach for pulmonary artery-vein segmentation in noncontrast CT images. *Medical Image Analysis*, **2019**, 52, 144-159	15.4	10
193	Using a spatial point process framework to characterize lung computed tomography scans. *Spatial Statistics*, **2019**, 29, 243-267	2.2	1
192	Quantification of the Pulmonary Vascular Response to Inhaled Nitric Oxide Using Noncontrast Computed Tomography Imaging. *Circulation: Cardiovascular Imaging*, **2019**, 12, e008338	3.9	10
191	Integrative Genomics Analysis Identifies ACVR1B as a Candidate Causal Gene of Emphysema Distribution. *American Journal of Respiratory Cell and Molecular Biology*, **2019**, 60, 388-398	5.7	9
190	Imaging Advances in Chronic Obstructive Pulmonary Disease. Insights from the Genetic Epidemiology of Chronic Obstructive Pulmonary Disease (COPDGene) Study. *American Journal of Respiratory and Critical Care Medicine*, **2019**, 199, 286-301	10.2	52
189	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	10.2	18
188	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	10.2	28
187	Reply to Mummadi et al.: Overfitting and Use of Mismatched Cohorts in Deep Learning Models: Preventable Design Limitations. *American Journal of Respiratory and Critical Care Medicine*, **2018**, 198, 545	10.2	1
186	Association between acute respiratory disease events and the promoter polymorphism in smokers. *Thorax*, **2018**, 73, 1071-1074	7.3	7
185	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	10.2	32
184	Exposure to Traffic Emissions and Fine Particulate Matter and Computed Tomography Measures of the Lung and Airways. *Epidemiology*, **2018**, 29, 333-341	3.1	13

183	Asthma Is a Risk Factor for Respiratory Exacerbations Without Increased Rate of Lung Function Decline: Five-Year Follow-up in Adult Smokers From the COPDGene Study. *Chest*, **2018**, 153, 368-377	5.3	11
182	Autocalibration method for non-stationary CT bias correction. *Medical Image Analysis*, **2018**, 44, 115-125	15.4	5
181	Pectoralis muscle area and mortality in smokers without airflow obstruction. *Respiratory Research*, **2018**, 19, 62	7.3	24
180	Blood eosinophil count thresholds and exacerbations in patients with chronic obstructive pulmonary disease. *Journal of Allergy and Clinical Immunology*, **2018**, 141, 2037-2047.e10	11.5	95
179	Disease Severity Dependence of the Longitudinal Association Between CT Lung Density and Lung Function in Smokers. *Chest*, **2018**, 153, 638-645	5.3	12
178	Lobar Emphysema Distribution Is Associated With 5-Year Radiological Disease Progression. *Chest*, **2018**, 153, 65-76	5.3	23
177	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	10.2	118
176	Pulmonary Artery-Vein Classification in CT Images Using Deep Learning. *IEEE Transactions on Medical Imaging*, **2018**, 37, 2428-2440	11.7	66
175	EMPHYSEMA CLASSIFICATION USING A MULTI-VIEW CONVOLUTIONAL NETWORK **2018**, 2018, 519-522	1.5	9
174	Interstitial Features at Chest CT Enhance the Deleterious Effects of Emphysema in the COPDGene Cohort. *Radiology*, **2018**, 288, 600-609	20.5	22
173	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	10.2	59
172	NOVIFAST: A Fast Algorithm for Accurate and Precise VFA MRI Mapping. *IEEE Transactions on Medical Imaging*, **2018**, 37, 2414-2427	11.7	7
171	Multiorgan structures detection using deep convolutional neural networks. *Proceedings of SPIE*, **2018**, 10574,	1.7	2
170	Airway fractal dimension predicts respiratory morbidity and mortality in COPD. *Journal of Clinical Investigation*, **2018**, 128, 5374-5382	15.9	19
169	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	0.9	3
168	Statistical Framework for the Definition of Emphysema in CT Scans: Beyond Density Mask. *Lecture Notes in Computer Science*, **2018**, 11071, 821-829	0.9	
167	Multi-structure Segmentation from Partially Labeled Datasets. Application to Body Composition Measurements on CT Scans. *Lecture Notes in Computer Science*, **2018**, 11040, 215-224	0.9	6
166	Diffeomorphic Lung Registration Using Deep CNNs and Reinforced Learning. *Lecture Notes in Computer Science*, **2018**, 11040, 284-294	0.9	5

165	Pulmonary vascular pruning in smokers with bronchiectasis. *ERJ Open Research*, **2018**, 4,	3.5	10
164	Deep learning for biomarker regression: application to osteoporosis and emphysema on chest CT scans. *Proceedings of SPIE*, **2018**, 10574,	1.7	11
163	Automated Agatston Score Computation in non-ECG Gated CT Scans Using Deep Learning. *Proceedings of SPIE*, **2018**, 10574,	1.7	22
162	3D Pulmonary Artery Segmentation from CTA Scans Using Deep Learning with Realistic Data Augmentation. *Lecture Notes in Computer Science*, **2018**, 11040, 225-237	0.9	6
161	A CT Scan Harmonization Technique to Detect Emphysema and Small Airway Diseases. *Lecture Notes in Computer Science*, **2018**, 11040, 180-190	0.9	1
160	Accurate Measurement of Airway Morphology on Chest CT Images. *Lecture Notes in Computer Science*, **2018**, 11040, 335-347	0.9	5
159	EMPHYSEMA QUANTIFICATION ON SIMULATED X-RAYS THROUGH DEEP LEARNING TECHNIQUES **2018**, 2018, 273-276	1.5	7
158	Identification of Chronic Obstructive Pulmonary Disease Axes That Predict All-Cause Mortality: The COPDGene Study. *American Journal of Epidemiology*, **2018**, 187, 2109-2116	3.8	14
157	Increased Airway Wall Thickness is Associated with Adverse Longitudinal First-Second Forced Expiratory Volume Trajectories of Former World Trade Center workers. *Lung*, **2018**, 196, 481-489	2.9	11
156	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	4	42
155	Quantitative computed tomography assessment of bronchiolitis obliterans syndrome after lung transplantation. *Clinical Transplantation*, **2017**, 31, e12943	3.8	6
154	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	5.7	37
153	Cardiac Morphometry on Computed Tomography and Exacerbation Reduction with Blocker Therapy in Chronic Obstructive Pulmonary Disease. *American Journal of Respiratory and Critical Care Medicine*, **2017**, 196, 1484-1488	10.2	13
152	Quantitative CT Measures of Bronchiectasis in Smokers. *Chest*, **2017**, 151, 1255-1262	5.3	41
151	Statistical characterization of noise for spatial standardization of CT scans: Enabling comparison with multiple kernels and doses. *Medical Image Analysis*, **2017**, 40, 44-59	15.4	10
150	Clinical and Genetic Associations of Objectively Identified Interstitial Changes in Smokers. *Chest*, **2017**, 152, 780-791	5.3	20
149	Deep-learning strategy for pulmonary artery-vein classification of non-contrast CT images **2017**,		6
148	3D Printing and Personalized Airway Stents. *Pulmonary Therapy*, **2017**, 3, 59-66	3	18

147	Semiautomated biventricular segmentation in three-dimensional echocardiography by coupled deformable surfaces. *Journal of Medical Imaging*, **2017**, 4, 024005	2.6	4
146	Densitometric and local histogram based analysis of computed tomography images in patients with idiopathic pulmonary fibrosis. *Respiratory Research*, **2017**, 18, 45	7.3	42
145	Ventricular Geometry From Non-contrast Non-ECG-gated CT Scans: An Imaging Marker of Cardiopulmonary Disease in Smokers. *Academic Radiology*, **2017**, 24, 594-602	4.3	18
144	Lung Mass in Smokers. *Academic Radiology*, **2017**, 24, 386-392	4.3	10
143	The Objective Identification and Quantification of Interstitial Lung Abnormalities in Smokers. *Academic Radiology*, **2017**, 24, 941-946	4.3	22
142	Application of the 3D slicer chest imaging platform segmentation algorithm for large lung nodule delineation. *PLoS ONE*, **2017**, 12, e0178944	3.7	26
141	The promoter polymorphism is associated with specific interstitial lung abnormality subtypes. *European Respiratory Journal*, **2017**, 50,	13.6	34
140	Chest computed tomography-derived low‐fat-free mass index and mortality in COPD. *European Respiratory Journal*, **2017**, 50,	13.6	29
139	SlicerDMRI: Open Source Diffusion MRI Software for Brain Cancer Research. *Cancer Research*, **2017**, 77, e101-e103	10.1	56
138	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	4.7	13
137	Bronchoarterial ratio in never-smokers adults: Implications for bronchial dilation definition. *Respirology*, **2017**, 22, 108-113	3.6	21
136	A Bayesian Nonparametric Model for Disease Subtyping: Application to Emphysema Phenotypes. *IEEE Transactions on Medical Imaging*, **2017**, 36, 343-354	11.7	13
135	CT Image Enhancement for Feature Detection and Localization. *Lecture Notes in Computer Science*, **2017**, 224-232	0.9	3
134	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	3.7	3
133	Inferring Disease Status by Non-parametric Probabilistic Embedding. *Lecture Notes in Computer Science*, **2017**, 49-57	0.9	
132	Pulmonary vascular morphology as an imaging biomarker in chronic thromboembolic pulmonary hypertension. *Pulmonary Circulation*, **2016**, 6, 70-81	2.7	29
131	Computer keyboard interaction as an indicator of early Parkinson's disease. *Scientific Reports*, **2016**, 6, 34468	4.9	56
130	Clinical, physiologic, and radiographic factors contributing to development of hypoxemia in moderate to severe COPD: a cohort study. *BMC Pulmonary Medicine*, **2016**, 16, 169	3.5	13

129	DERIVATION OF A TEST STATISTIC FOR EMPHYSEMA QUANTIFICATION **2016**, 2016, 1269-1273	1.5	1
128	Development and Progression of Interstitial Lung Abnormalities in the Framingham Heart Study. *American Journal of Respiratory and Critical Care Medicine*, **2016**, 194, 1514-1522	10.2	147
127	Computed Tomographic Airway Morphology in Chronic Obstructive Pulmonary Disease. Remodeling or Innate Anatomy?. *Annals of the American Thoracic Society*, **2016**, 13, 4-9	4.7	8
126	Three-dimensional Printing and 3D Slicer: Powerful Tools in Understanding and Treating Structural Lung Disease. *Chest*, **2016**, 149, 1136-42	5.3	67
125	Association Between Interstitial Lung Abnormalities and All-Cause Mortality. *JAMA - Journal of the American Medical Association*, **2016**, 315, 672-81	27.4	209
124	A Robust Emphysema Severity Measure Based on Disease Subtypes. *Academic Radiology*, **2016**, 23, 421-8	4.3	5
123	Common Genetic Polymorphisms Influence Blood Biomarker Measurements in COPD. *PLoS Genetics* , **2016**, 12, e1006011	6	64
122	Automatic Synthesis of Anthropomorphic Pulmonary CT Phantoms. *PLoS ONE*, **2016**, 11, e0146060	3.7	5
121	Unsupervised Discovery of Emphysema Subtypes in a Large Clinical Cohort. *Lecture Notes in Computer Science*, **2016**, 10019, 180-187	0.9	16
120	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, 387-92	2.2	8
119	Multi-atlas and label fusion approach for patient-specific MRI based skull estimation. *Magnetic Resonance in Medicine*, **2016**, 75, 1797-807	4.4	15
118	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, L208-18	5.8	13
117	Arterial and Venous Pulmonary Vascular Morphology and Their Relationship to Findings in Cardiac Magnetic Resonance Imaging in Smokers. *Journal of Computer Assisted Tomography*, **2016**, 40, 948-952	2.2	11
116	Robust Spatio-Temporal Registration of 4D Cardiac Ultrasound Sequences. *Proceedings of SPIE*, **2016**, 9790,	1.7	5
115	Distinct emphysema subtypes defined by quantitative CT analysis are associated with specific pulmonary matrix metalloproteinases. *Respiratory Research*, **2016**, 17, 92	7.3	25
114	AUTOMATED AGATSTON SCORE COMPUTATION IN A LARGE DATASET OF NON ECG-GATED CHEST COMPUTED TOMOGRAPHY **2016**, 2016, 53-57	1.5	18
113	A Novel Spirometric Measure Identifies Mild COPD Unidentified by Standard Criteria. *Chest*, **2016**, 150, 1080-1090	5.3	30
112	Understanding the contribution of native tracheobronchial structure to lung function: CT assessment of airway morphology in never smokers. *Respiratory Research*, **2015**, 16, 23	7.3	18

111	Regional Emphysema of a Non-Small Cell Tumor Is Associated with Larger Tumors and Decreased Survival Rates. *Annals of the American Thoracic Society*, **2015**, 12, 1197-205	4.7	13
110	Pulmonary artery enlargement is associated with right ventricular dysfunction and loss of blood volume in small pulmonary vessels in chronic obstructive pulmonary disease. *Circulation: Cardiovascular Imaging*, **2015**, 8,	3.9	42
109	Generative Method to Discover Genetically Driven Image Biomarkers. *Lecture Notes in Computer Science*, **2015**, 24, 30-42	0.9	6
108	Smart stylet: the development and use of a bedside external ventricular drain image-guidance system. *Stereotactic and Functional Neurosurgery*, **2015**, 93, 50-8	1.6	10
107	A Genome-Wide Association Study of Emphysema and Airway Quantitative Imaging Phenotypes. *American Journal of Respiratory and Critical Care Medicine*, **2015**, 192, 559-69	10.2	103
106	Automated quantitative 3D analysis of aorta size, morphology, and mural calcification distributions. *Medical Physics*, **2015**, 42, 5467-78	4.4	21
105	A comparison of visual and quantitative methods to identify interstitial lung abnormalities. *BMC Pulmonary Medicine*, **2015**, 15, 134	3.5	27
104	Optimizing parameters of an open-source airway segmentation algorithm using different CT images. *BioMedical Engineering OnLine*, **2015**, 14, 62	4.1	17
103	Automatic ventricle detection in Computed Tomography Pulmonary Angiography **2015**,		3
102	Automated axial right ventricle to left ventricle diameter ratio computation in computed tomography pulmonary angiography. *PLoS ONE*, **2015**, 10, e0127797	3.7	7
101	Abdominal Visceral Adipose Tissue is Associated with Myocardial Infarction in Patients with COPD. *Chronic Obstructive Pulmonary Diseases (Miami, Fla)*, **2015**, 2, 8-16	2.7	20
100	Morphologic Response of the Pulmonary Vasculature to Endoscopic Lung Volume Reduction. *Chronic Obstructive Pulmonary Diseases (Miami, Fla)*, **2015**, 2, 214-222	2.7	9
99	A Feature-Based Approach to Big Data Analysis of Medical Images. *Lecture Notes in Computer Science*, **2015**, 24, 339-50	0.9	14
98	Extended Gabor approach applied to classification of emphysematous patterns in computed tomography. *Medical and Biological Engineering and Computing*, **2014**, 52, 393-403	3.1	11
97	RANKING AND CLASSIFICATION OF MONOTONIC EMPHYSEMA PATTERNS WITH A MULTI-CLASS HIERARCHICAL APPROACH **2014**, 2014, 1031-1034	1.5	1
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