Samuel Y Ash

List of Publications by Year
in descending order

39 papers	1,079 citations	516710 16 h-index	434195 31 g-index
39 all docs	39 docs citations	39 times ranked	1570 citing authors

#	Article	IF	Citations
1	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
2	Insulin resistance modifies the association between obesity and current asthma in adults. European Respiratory Journal, 2016, 48, 403-410.	6.7	92
3	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.	5.6	73
4	Densitometric and local histogram based analysis of computed tomography images in patients with idiopathic pulmonary fibrosis. Respiratory Research, 2017, 18, 45.	3.6	70
5	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
6	Classification of Interstitial Lung Abnormality Patterns with an Ensemble of Deep Convolutional Neural Networks. Scientific Reports, 2020, 10, 338.	3.3	61
7	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
8	Pulmonary vascular density: comparison of findings on computed tomography imaging with histology. European Respiratory Journal, 2019, 54, 1900370.	6.7	47
9	Mucus Plugs Persist in Asthma, and Changes in Mucus Plugs Associate with Changes in Airflow over Time. American Journal of Respiratory and Critical Care Medicine, 2022, 205, 1036-1045.	5.6	39
10	Clinical and Genetic Associations of Objectively Identified Interstitial Changes inÂSmokers. Chest, 2017, 152, 780-791.	0.8	37
11	The Objective Identification and Quantification of Interstitial Lung Abnormalities in Smokers. Academic Radiology, 2017, 24, 941-946.	2.5	37
12	Interstitial Features at Chest CT Enhance the Deleterious Effects of Emphysema in the COPDGene Cohort. Radiology, 2018, 288, 600-609.	7.3	37
13	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
14	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
15	Pulmonary Clinicopathological Correlation after Allogeneic Hematopoietic Stem Cell Transplantation: An Autopsy Series. Biology of Blood and Marrow Transplantation, 2017, 23, 1767-1772.	2.0	23
16	The role of imaging in the assessment of severe asthma. Current Opinion in Pulmonary Medicine, 2017, 23, 97-102.	2.6	21
17	uPARAP Function in Cutaneous Wound Repair. PLoS ONE, 2014, 9, e92660.	2.5	16
18	Comparison of Endoscopic and Clinical Characteristics of Patients with Familial and Sporadic Barrettâ€™s Esophagus. Digestive Diseases and Sciences, 2011, 56, 1702-1706.	2.3	13

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19	Association between acute respiratory disease events and the MUC5B promoter polymorphism in smokers. Thorax, 2018, 73, 1071-1074.	5.6	13
20	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.	2.6	13
21	Quantification of Arterial and Venous Morphologic Markers in Pulmonary Arterial Hypertension Using CT Imaging. Chest, 2021, 160, 2220-2231.	0.8	13
22	Semi-quantitative visual assessment of chest radiography is associated with clinical outcomes in critically ill patients. Respiratory Research, 2019, 20, 218.	3.6	12
23	Emphysema Progression at CT by Deep Learning Predicts Functional Impairment and Mortality: Results from the COPDGene Study. Radiology, 2022, 304, 672-679.	7.3	12
24	Quantification of the Pulmonary Vascular Response to Inhaled Nitric Oxide Using Noncontrast Computed Tomography Imaging. Circulation: Cardiovascular Imaging, 2019, 12, e008338.	2.6	11
25	Interstitial lung abnormalities: risk and opportunity. Lancet Respiratory Medicine,the, 2017, 5, 95-96.	10.7	10
26	Quantitative computed tomography assessment of bronchiolitis obliterans syndrome after lung transplantation. Clinical Transplantation, 2017, 31, e12943.	1.6	10
27	Objectively Measured Chronic Lung InjuryÂon Chest CT. Chest, 2019, 156, 1149-1159.	0.8	9
28	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
29	Interstitial Lung Abnormalities, Emphysema, and Spirometry in Smokers. Chest, 2022, 161, 999-1010.	0.8	8
30	Interstitial lung abnormalities are associated with decreased mean telomere length. European Respiratory Journal, 2022, 60, 2101814.	6.7	8
31	Imaging approaches to understand disease complexity: chronic obstructive pulmonary disease as a clinical model. Journal of Applied Physiology, 2018, 124, 512-520.	2.5	7
32	Smaller Left Ventricle Size at Noncontrast CT Is Associated with Lower Mortality in COPDGene Participants. Radiology, 2020, 296, 208-215.	7.3	6
33	Distinguishing Smoking-Related Lung Disease Phenotypes Via Imaging and Molecular Features. Chest, 2021, 159, 549-563.	0.8	6
34	Estimated Ventricular Size, Asthma Severity,Âand Exacerbations. Chest, 2020, 157, 258-267.	0.8	4
35	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, 545-545.	5.6	3
36	The value of CT scanning. , 0, , 121-133.		2

#	Article	IF	Citations
37	Deep Learningâ€“based Classification of Fibrotic Lung Disease: Can Computer Vision See the Future?. American Journal of Respiratory and Critical Care Medicine, 2022, 206, 812-814.	5.6	1
38	DISTAL PARENCHYMAL VASCULAR VOLUME LOSS IN CLINICAL CT IMAGING AS A PREDICTOR OF LONG-TERM OXYGEN REQUIREMENT AFTER SUBMASSIVE PULMONARY EMBOLISM. Chest, 2019, 156, A16-A17.	0.8	0
39	Chest Imaging for Precision Medicine. Respiratory Medicine, 2020, , 107-115.	0.1	0