James D Crapo

List of Publications by Year
in descending order

90	6,618	94433	66911
papers	citations	37	78
		h-index	g-index

91	91	91	8230
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Genetic Epidemiology of COPD (COPDGene) Study Design. COPD: Journal of Chronic Obstructive Pulmonary Disease, 2011, 7, 32-43.	1.6	1,007
2	Control of Confounding and Reporting of Results in Causal Inference Studies. Guidance for Authors from Editors of Respiratory, Sleep, and Critical Care Journals. Annals of the American Thoracic Society, 2019, 16, 22-28.	3.2	458
3	CT-Definable Subtypes of Chronic Obstructive Pulmonary Disease: A Statement of the Fleischner Society. Radiology, 2015, 277, 192-205.	7.3	423
4	Clinical and Radiologic Disease in Smokers With Normal Spirometry. JAMA Internal Medicine, 2015, 175, 1539.	5.1	360
5	Genetic loci associated with chronic obstructive pulmonary disease overlap with loci for lung function and pulmonary fibrosis. Nature Genetics, 2017, 49, 426-432.	21.4	306
6	Association between Functional Small Airway Disease and FEV_1 Decline in Chronic Obstructive Pulmonary Disease. American Journal of Respiratory and Critical Care Medicine, 2016, 194, 178-184.	5.6	292
7	Genetic landscape of chronic obstructive pulmonary disease identifies heterogeneous cell-type and phenotype associations. Nature Genetics, 2019, 51, 494-505.	21.4	257
8	The clinical and genetic features of COPD-asthma overlap syndrome. European Respiratory Journal, 2014, 44, 341-350.	6.7	249
9	Epidemiology, genetics, and subtyping of preserved ratio impaired spirometry (PRISm) in COPDGene. Respiratory Research, 2014, 15, 89.	3.6	196
10	Development and Reporting of Prediction Models: Guidance for Authors From Editors of Respiratory, Sleep, and Critical Care Journals. Critical Care Medicine, 2020, 48, 623-633.	0.9	188
11	A Combined Pulmonary-Radiology Workshop for Visual Evaluation of COPD: Study Design, Chest CT Findings and Concordance with Quantitative Evaluation. COPD: Journal of Chronic Obstructive Pulmonary Disease, 2012, 9, 151-159.	1.6	143
12	CT-based Visual Classification of Emphysema: Association with Mortality in the COPDGene Study. Radiology, 2018, 288, 859-866.	7.3	138
13	A Genome-Wide Association Study of Emphysema and Airway Quantitative Imaging Phenotypes. American Journal of Respiratory and Critical Care Medicine, 2015, 192, 559-569.	5.6	128
14	A genome-wide association study identifies risk loci for spirometric measures among smokers of European and African ancestry. BMC Genetics, 2015, 16, 138.	2.7	119
15	Distinct Quantitative Computed Tomography Emphysema Patterns Are Associated with Physiology and Function in Smokers. American Journal of Respiratory and Critical Care Medicine, 2013, 188, 1083-1090.	5.6	118
16	The Role of Chest Computed Tomography in the Evaluation and Management of the Patient with Chronic Obstructive Pulmonary Disease. American Journal of Respiratory and Critical Care Medicine, 2017, 196, 1372-1379.	5.6	97
17	Paired inspiratory-expiratory chest CT scans to assess for small airways disease in COPD. Respiratory Research, 2013, 14, 42.	3.6	93
18	Deep Learning Enables Automatic Classification of Emphysema Pattern at CT. Radiology, 2020, 294, 434-444.	7.3	89

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19	Common Genetic Polymorphisms Influence Blood Biomarker Measurements in COPD. PLoS Genetics, 2016, 12, e1006011.	3.5	88
20	The value of blood cytokines and chemokines in assessing COPD. Respiratory Research, 2017, 18, 180.	3.6	83
21	Prediction of Acute Respiratory Disease in Current and Former Smokers With and Without COPD. Chest, 2014, 146, 941-950.	0.8	71
22	Chronic obstructive pulmonary disease and related phenotypes: polygenic risk scores in population-based and case-control cohorts. Lancet Respiratory Medicine,the, 2020, 8, 696-708.	10.7	69
23	Desmoplakin Variants Are Associated with Idiopathic Pulmonary Fibrosis. American Journal of Respiratory and Critical Care Medicine, 2016, 193, 1151-1160.	5.6	68
24	Molecular manipulations of extracellular superoxide dismutase: functional importance for learning. Behavior Genetics, 1998, 28, 381-390.	2.1	67
25	Genetic Advances in Chronic Obstructive Pulmonary Disease. Insights from COPDGene. American Journal of Respiratory and Critical Care Medicine, 2019, 200, 677-690.	5.6	66
26	The clinical impact of non-obstructive chronic bronchitis in current and former smokers. Respiratory Medicine, 2014, 108, 491-499.	2.9	65
27	Do COPD subtypes really exist? COPD heterogeneity and clustering in 10 independent cohorts. Thorax, 2017, 72, 998-1006.	5.6	65
28	Subtyping COPD by Using Visual and Quantitative CT Imaging Features. Chest, 2020, 157, 47-60.	0.8	60
29	Childhood pneumonia increases risk for chronic obstructive pulmonary disease: the COPDGene study. Respiratory Research, 2015, 16, 115.	3.6	59
30	Omics and the Search for Blood Biomarkers in Chronic Obstructive Pulmonary Disease. Insights from COPDGene. American Journal of Respiratory Cell and Molecular Biology, 2019, 61, 143-149.	2.9	54
31	Five-year Progression of Emphysema and Air Trapping at CT in Smokers with and Those without Chronic Obstructive Pulmonary Disease: Results from the COPDGene Study. Radiology, 2020, 295, 218-226.	7.3	52
32	Family History Is a Risk Factor for COPD. Chest, 2011, 140, 343-350.	0.8	49
33	COPD subtypes identified by network-based clustering of blood gene expression. Genomics, 2016, 107, 51-58.	2.9	49
34	Airway wall thickening on CT: Relation to smoking status and severity of COPD. Respiratory Medicine, 2019, 146, 36-41.	2.9	47
35	Elevated circulating MMP-9 is linked to increased COPD exacerbation risk in SPIROMICS and COPDGene. JCI Insight, 2018, 3, .	5.0	46
36	Genome-Wide Association Study of the Genetic Determinants of Emphysema Distribution. American Journal of Respiratory and Critical Care Medicine, 2017, 195, 757-771.	5.6	45

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37	Genetic control of gene expression at novel and established chronic obstructive pulmonary disease loci. Human Molecular Genetics, 2015, 24, 1200-1210.	2.9	43
38	Integration of Molecular Interactome and Targeted Interaction Analysis to Identify a COPD Disease Network Module. Scientific Reports, 2018, 8, 14439.	3.3	40
39	Comorbidities of COPD Have a Major Impact on Clinical Outcomes, Particularly in African Americans. Chronic Obstructive Pulmonary Diseases (Miami, Fla), 2014, 1, 105-114.	0.7	40
40	Lobar Emphysema Distribution Is Associated With 5-Year Radiological Disease Progression. Chest, 2018, 153, 65-76.	0.8	36
41	Extracellular superoxide dismutase is upregulated with inducible nitric oxide synthase after NF-κB activation. American Journal of Physiology - Lung Cellular and Molecular Physiology, 1997, 273, L1002-L1006.	2.9	35
42	Pulmonary Subtypes Exhibit Differential Global Initiative for Chronic Obstructive Lung Disease Spirometry Stage Progression: The COPDGene® Study. Chronic Obstructive Pulmonary Diseases (Miami,) Tj ETQq0.0 0 rgBT2/0verlock		
43	Risk Factors for Venous Thromboembolism in Chronic Obstructive Pulmonary Disease. Chronic Obstructive Pulmonary Diseases (Miami, Fla), 2014, 1, 239-249.	0.7	28
44	Sex-Based Genetic Association Study Identifies <i>CELSR1</i> as a Possible Chronic Obstructive Pulmonary Disease Risk Locus among Women. American Journal of Respiratory Cell and Molecular Biology, 2017, 56, 332-341.	2.9	28
45	Mortality and Exacerbations by Global Initiative for Chronic Obstructive Lung Disease Groups ABCD: 2011 Versus 2017 in the COPDGene® Cohort. Chronic Obstructive Pulmonary Diseases (Miami, Fla), 2019, 6, 64-73.	0.7	26
46	Identification of Chronic Obstructive Pulmonary Disease Axes That Predict All-Cause Mortality. American Journal of Epidemiology, 2018, 187, 2109-2116.	3.4	25
47	Susceptibility to Chronic Mucus Hypersecretion, a Genome Wide Association Study. PLoS ONE, 2014, 9, e91621.	2.5	25
48	Cardiovascular Disease is Associated with COPD Severity and Reduced Functional Status and Quality of Life. COPD: Journal of Chronic Obstructive Pulmonary Disease, 2014, 11, 546-551.	1.6	24
49	Susceptibility to Childhood Pneumonia: A Genome-Wide Analysis. American Journal of Respiratory Cell and Molecular Biology, 2017, 56, 20-28.	2.9	24
50	Low FVC/TLC in Preserved Ratio Impaired Spirometry (PRISm) is associated with features of and progression to obstructive lung disease. Scientific Reports, 2020, 10, 5169.	3.3	24
51	Visual Emphysema at Chest CT in GOLD Stage 0 Cigarette Smokers Predicts Disease Progression: Results from the COPDGene Study. Radiology, 2020, 296, 641-649.	7.3	24
52	Subtypes of COPD Have Unique Distributions and Differential Risk of Mortality. Chronic Obstructive Pulmonary Diseases (Miami, Fla), 2019, 6, 400-413.	0.7	24
53	Variable Susceptibility to Cigarette Smoke–Induced Emphysema in 34 Inbred Strains of Mice Implicates <i>Abi3bp</i> in Emphysema Susceptibility. American Journal of Respiratory Cell and Molecular Biology, 2017, 57, 367-375.	2.9	22
54	The 2017 Update to the COPD Foundation COPD Pocket Consultant Guide. Chronic Obstructive Pulmonary Diseases (Miami, Fla), 2017, 4, 177-185.	0.7	22

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55	Right ventricular diastolic function and exercise capacity in COPD. Respiratory Medicine, 2015, 109, 1287-1292.	2.9	21
56	Clinical, physiologic, and radiographic factors contributing to development of hypoxemia in moderate to severe COPD: a cohort study. BMC Pulmonary Medicine, 2016, 16, 169.	2.0	21
57	Inhibition of the Continuum of Radiation-Induced Normal Tissue Injury by a Redox-Active Mn Porphyrin. Radiation Research, 2017, 188, 94.	1.5	18
58	Genomics and response to long-term oxygen therapy in chronic obstructive pulmonary disease. Journal of Molecular Medicine, 2018, 96, 1375-1385.	3.9	17
59	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
60	BMX-001, a novel redox-active metalloporphyrin, improves islet function and engraftment in a murine transplant model. American Journal of Transplantation, 2018, 18, 1879-1889.	4.7	15
61	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.	2.9	15
62	Pulmonary artery enlargement and mortality risk in moderate to severe COPD: results from COPDGene. European Respiratory Journal, 2020, 55, 1901812.	6.7	15
63	The beneficial effects of exercise on cartilage are lost in mice with reduced levels of ECSOD in tissues. Journal of Applied Physiology, 2015, 118, 760-767.	2.5	14
64	Asthma Is a Risk Factor for Respiratory Exacerbations Without Increased Rate of Lung Function Decline. Chest, 2018, 153, 368-377.	0.8	14
65	Molecular overexpression of extracellular superoxide dismutase increases the dependency of learning and memory performance on motivational state. Behavior Genetics, 2000, 30, 95-100.	2.1	13
66	A novel redox-active metalloporphyrin reduces reactive oxygen species and inflammatory markers but does not improve marginal mass engraftment in a murine donation after circulatory death islet transplantation model. Islets, 2016, 8, e1190058.	1.8	13
67	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
68	Association of low income with pulmonary disease progression in smokers with and without chronic obstructive pulmonary disease. ERJ Open Research, 2018, 4, 00069-2018.	2.6	11
69	GWAS and systems biology analysis of depressive symptoms among smokers from the COPDGene cohort. Journal of Affective Disorders, 2019, 243, 16-22.	4.1	11
70	Visual Assessment of CT Findings in Smokers With Nonobstructed Spirometric Abnormalities in the COPDGeneÂ® Study. Chronic Obstructive Pulmonary Diseases (Miami, Fla), 2014, 1, 88-96.	0.7	11
71	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
72	Genome-Wide Association Analysis of Single-Breath D$_{L}CO$. American Journal of Respiratory Cell and Molecular Biology, 2019, 60, 523-531.	2.9	8

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73	Common and Rare Variants Genetic Association Analysis of Cigarettes per Day Among Ever-Smokers in Chronic Obstructive Pulmonary Disease Cases and Controls. Nicotine and Tobacco Research, 2019, 21, 714-722.	2.6	7
74	Daily Activities: The Impact of COPD and Cognitive Dysfunction. Archives of Clinical Neuropsychology, 2020, 36, acaa090 767 779-767.	0.5	7
75	Progression of Emphysema and Small Airways Disease in Cigarette Smokers. Chronic Obstructive Pulmonary Diseases (Miami, Fla), 2021, 8, 198-212.	0.7	7
76	Cognitive performance is lower among individuals with overlap syndrome than in individuals with COPD or obstructive sleep apnea alone: association with carotid artery stiffness. Journal of Applied Physiology, 2021, 131, 131-141.	2.5	7
77	The Association of Multiparity with Lung Function and Chronic Obstructive Pulmonary Disease-Related Phenotypes. Chronic Obstructive Pulmonary Diseases (Miami, Fla), 2020, 7, 86-98.	0.7	7
78	Primary adrenal insufficiency in the United States: diagnostic error and patient satisfaction with treatment. Diagnosis, 2019, 6, 343-350.	1.9	6
79	Diffuse Idiopathic Skeletal Hyperostosis in Smokers and Restrictive Spirometry Pattern: An Analysis of the COPDGene Cohort. Journal of Rheumatology, 2020, 47, 531-538.	2.0	6
80	Nitric oxide inhalation transiently elevates pulmonary levels of cGMP, iNOS mRNA, and TNF-α. American Journal of Physiology - Lung Cellular and Molecular Physiology, 1998, 275, L509-L515.	2.9	5
81	Subjective cognitive complaints and neuropsychological performance in former smokers with and without chronic obstructive pulmonary disease. Journal of Clinical and Experimental Neuropsychology, 2018, 40, 411-422.	1.3	5
82	Validation of a method to assess emphysema severity by spirometry in the COPDGene study. Respiratory Research, 2020, 21, 103.	3.6	4
83	Hemizygous Deletion on Chromosome 3p26.1 Is Associated with Heavy Smoking among African American Subjects in the COPDGene Study. PLoS ONE, 2016, 11, e0164134.	2.5	4
84	Preclinical vascular disease identifies smokers at risk for COPD. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 8503-8504.	7.1	3
85	Turning subtypes into disease axes to improve prediction of COPD progression. Thorax, 2019, 74, 906-909.	5.6	3
86	Lung, Fat and Bone: Increased Adiponectin Associates with the Combination of Smoking-Related Lung Disease and Osteoporosis. Chronic Obstructive Pulmonary Diseases (Miami, Fla), 2018, 5, 134-143.	0.7	3
87	Introducing the New COPD Pocket Consultant Guide App: Can A Digital Approach Improve Care? A Statement of the COPD Foundation. Chronic Obstructive Pulmonary Diseases (Miami, Fla), 2019, 6, 210-220.	0.7	3
88	Reduced Attention in Former Smokers with and without COPD. International Journal of Behavioral Medicine, 2019, 26, 600-607.	1.7	2
89	FOOTPRINTS study protocol: rationale and methodology of a 3-year longitudinal observational study to phenotype patients with COPD. BMJ Open, 2021, 11, e042526.	1.9	2
90	Long-Acting Beta-Agonist Use is Associated with Lower Carotid Artery Stiffness and Greater Carotid Artery Compliance in Individuals with Chronic Obstructive Pulmonary Disease. FASEB Journal, 2018, 32, 843.14.	0.5	0