Christopher B Cooper

List of Publications by Year
in descending order

89 papers	3,097 citations	218677 26 h-index	175258 52 g-index
93 all docs	93 docs citations	93 times ranked	3756 citing authors

#	Article	IF	Citations
1	Comparative Impact of Depressive Symptoms and FEV₁% on Chronic Obstructive Pulmonary Disease. Annals of the American Thoracic Society, 2022, 19, 171-178.	3.2	7
2	Significance of FEV3/FEV6 in Recognition of Early Airway Disease in Smokers at Risk of Development of COPD. Chest, 2022, 161, 949-959.	0.8	6
3	Identification of Sputum Biomarkers Predictive of Pulmonary Exacerbations in COPD. Chest, 2022, 161, 1239-1249.	0.8	20
4	Craving among individuals with stimulant use disorder in residential social model-based treatment â€“ Can exercise help?. Drug and Alcohol Dependence, 2022, 231, 109247.	3.2	7
5	Forced Expiratory Flow at 25%-75% Links COPD Physiology to Emphysema and Disease Severity in the SPIROMICS Cohort. Chronic Obstructive Pulmonary Diseases (Miami, Fla), 2022, 9, 111-121.	0.7	6
6	Use of a Wearable Biosensor to Study Heart Rate Variability in Chronic Obstructive Pulmonary Disease and Its Relationship to Disease Severity. Sensors, 2022, 22, 2264.	3.8	5
7	Ambient ozone effects on respiratory outcomes among smokers modified by neighborhood poverty: An analysis of SPIROMICS AIR. Science of the Total Environment, 2022, 829, 154694.	8.0	9
8	Contribution of Individual and Neighborhood Factors to Racial Disparities in Respiratory Outcomes. American Journal of Respiratory and Critical Care Medicine, 2021, 203, 987-997.	5.6	38
9	Mucus Plugs and Emphysema in the Pathophysiology of Airflow Obstruction and Hypoxemia in Smokers. American Journal of Respiratory and Critical Care Medicine, 2021, 203, 957-968.	5.6	71
10	Modeling residential indoor concentrations of PM _{2.5} , NO ₂ , NO _x , and secondhand smoke in the Subpopulations and Intermediate Outcome Measures in COPD (SPIROMICS) Air study. Indoor Air, 2021, 31, 702-716.	4.3	11
11	Age-Dependent Associations Between 25-Hydroxy Vitamin D Levels and COPD Symptoms: Analysis of SPIROMICS. Chronic Obstructive Pulmonary Diseases (Miami, Fla), 2021, 8, 277-291.	0.7	1
12	Objectively Measured Physical Activity in Patients with COPD: Recommendations from an International Task Force on Physical Activity. Chronic Obstructive Pulmonary Diseases (Miami, Fla), 2021, 8, 528-550.	0.7	24
13	Polycythemia is Associated with Lower Incidence of Severe COPD Exacerbations in the SPIROMICS Study. Chronic Obstructive Pulmonary Diseases (Miami, Fla), 2021, 8, 326-335.	0.7	0
14	Defining Resilience to Smoking Related Lung Disease: A Modified Delphi Approach from SPIROMICS. Annals of the American Thoracic Society, 2021, 18, 1822-1831.	3.2	5
15	Latent traits of lung tissue patterns in former smokers derived by dual channel deep learning in computed tomography images. Scientific Reports, 2021, 11, 4916.	3.3	12
16	Genetic and non-genetic factors affecting the expression of COVID-19-relevant genes in the large airway epithelium. Genome Medicine, 2021, 13, 66.	8.2	21
17	Longitudinal Imaging-Based Clusters in Former Smokers of the COPD Cohort Associate with Clinical Characteristics: The SubPopulations and Intermediate Outcome Measures in COPD Study (SPIROMICS). International Journal of COPD, 2021, Volume 16, 1477-1496.	2.3	8
18	Airway mucin MUC5AC and MUC5B concentrations and the initiation and progression of chronic obstructive pulmonary disease: an analysis of the SPIROMICS cohort. Lancet Respiratory Medicine,the, 2021, 9, 1241-1254.	10.7	80

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19	Objectively Measured Physical Activity as a COPD Clinical Trial Outcome. Chest, 2021, 160, 2080-2100.	0.8	17
20	Ratio of FEV1/Slow Vital Capacity ofÂ< 0.7 Is Associated With Clinical, Functional, and Radiologic Features of Obstructive Lung Disease in Smokers With Preserved Lung Function. Chest, 2021, 160, 94-103.	0.8	8
21	The Effects of Rare SERPINA1 Variants on Lung Function and Emphysema in SPIROMICS. American Journal of Respiratory and Critical Care Medicine, 2020, 201, 540-554.	5.6	38
22	Association of Long-term Ambient Ozone Exposure With Respiratory Morbidity in Smokers. JAMA Internal Medicine, 2020, 180, 106.	5.1	49
23	Current smoking with or without chronic bronchitis is independently associated with goblet cell hyperplasia in healthy smokers and COPD subjects. Scientific Reports, 2020, 10, 20133.	3.3	8
24	Remote Patient Monitoring for the Detection of COPD Exacerbations . International Journal of COPD, 2020, Volume 15, 2005-2013.	2.3	12
25	Novel Respiratory Disability Score Predicts COPD Exacerbations and Mortality in the Spiromics Cohort . International Journal of COPD, 2020, Volume 15, 1887-1898.	2.3	2
26	Reference Values for Chronotropic Index from 1280 Incremental Cycle Ergometry Tests. Medicine and Science in Sports and Exercise, 2020, 52, 2515-2521.	0.4	7
27	Defining Chronic Mucus Hypersecretion Using the CAT in the SPIROMICS Cohort . International Journal of COPD, 2020, Volume 15, 2467-2476.	2.3	11
28	Transition from Restrictive to Obstructive Lung Function Impairment During Treatment and Follow-Up of Active Tuberculosis . International Journal of COPD, 2020, Volume 15, 1039-1047.	2.3	25
29	Plasma Cathelicidin is Independently Associated with Reduced Lung Function in COPD: Analysis of the Subpopulations and Intermediate Outcome Measures in COPD Study Cohort. Chronic Obstructive Pulmonary Diseases (Miami, Fla), 2020, 7, 370-381.	0.7	5
30	The Association Between Neighborhood Socioeconomic Disadvantage and Chronic Obstructive Pulmonary Disease . International Journal of COPD, 2020, Volume 15, 981-993.	2.3	27
31	Pulmonary Rehabilitation for Chronic Obstructive Pulmonary Disease: Highly Effective but Often Overlooked. Tuberculosis and Respiratory Diseases, 2020, 83, 257-267.	1.8	12
32	Serum amino acid concentrations and clinical outcomes in smokers: SPIROMICS metabolomics study. Scientific Reports, 2019, 9, 11367.	3.3	20
33	Imaging-based clusters in former smokers of the COPD cohort associate with clinical characteristics: the SubPopulations and intermediate outcome measures in COPD study (SPIROMICS). Respiratory Research, 2019, 20, 153.	3.6	25
34	Behavioral Modification Enhances the Benefits from Structured Aerobic and Resistance Training. Sports Medicine International Open, 2019, 03, E48-E57.	1.1	2
35	Radiographic lung volumes predict progression to COPD in smokers with preserved spirometry in SPIROMICS. European Respiratory Journal, 2019, 54, 1802214.	6.7	29
36	Spirometric indices of early airflow impairment in individuals at risk of developing COPD: Spirometry beyond FEV1/FVC. Respiratory Medicine, 2019, 156, 58-68.	2.9	40

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37	Aspirin Use and Respiratory Morbidity in COPD. Chest, 2019, 155, 519-527.	0.8	25
38	Systemic Markers of Inflammation in Smokers With Symptoms Despite PreservedÂSpirometry in SPIROMICS. Chest, 2019, 155, 908-917.	0.8	18
39	Statistical Process Control Improves The Feasibility Of Remote Physiological Monitoring In Patients With Chronic Obstructive Pulmonary Disease . International Journal of COPD, 2019, Volume 14, 2485-2496.	2.3	3
40	Alignment of Inhaled Chronic Obstructive Pulmonary Disease Therapies with Published Strategies. Analysis of the Global Initiative for Chronic Obstructive Lung Disease Recommendations in SPIROMICS. Annals of the American Thoracic Society, 2019, 16, 200-208.	3.2	31
41	Structural and Functional Features on Quantitative Chest Computed Tomography in the Korean Asian versus the White American Healthy Non-Smokers. Korean Journal of Radiology, 2019, 20, 1236.	3.4	13
42	Heart Rate Acquisition and Threshold-Based Training Increases Oxygen Uptake at Metabolic Threshold in Triathletes: A Pilot Study. International Journal of Exercise Science, 2019, 12, 144-154.	0.5	4
43	Patient characteristics and outcomes of a home mechanical ventilation program in a developing country. Lung India, 2019, 36, 207-211.	0.7	2
44	Human airway branch variation and chronic obstructive pulmonary disease. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E974-E981.	7.1	80
45	Original Research Marijuana Use Associations with Pulmonary Symptoms and Function in Tobacco Smokers Enrolled in The Subpopulations and Intermediate Outcome Measures in COPD Study (SPIROMICS). Chronic Obstructive Pulmonary Diseases (Miami, Fla), 2018, 5, 46-56.	0.7	21
46	Heterogeneous burden of lung disease in smokers with borderline airflow obstruction. Respiratory Research, 2018, 19, 223.	3.6	12
47	Imaging-based clusters in current smokers of the COPD cohort associate with clinical characteristics: the SubPopulations and Intermediate Outcome Measures in COPD Study (SPIROMICS). Respiratory Research, 2018, 19, 178.	3.6	20
48	Occupational Exposures and Computed Tomographic Imaging Characteristics in the SPIROMICS Cohort. Annals of the American Thoracic Society, 2018, 15, 1411-1419.	3.2	27
49	Effect of altering breathing frequency on maximum voluntary ventilation in healthy adults. BMC Pulmonary Medicine, 2018, 18, 89.	2.0	5
50	Genome-wide association study of lung function and clinical implication in heavy smokers. BMC Medical Genetics, 2018, 19, 134.	2.1	28
51	NT-proBNP in stable COPD and future exacerbation risk: Analysis of the SPIROMICS cohort. Respiratory Medicine, 2018, 140, 87-93.	2.9	18
52	Wrist-worn triaxial accelerometry predicts the energy expenditure of non-vigorous daily physical activities. Journal of Science and Medicine in Sport, 2017, 20, 761-765.	1.3	21
53	Respiratory Symptoms Items from the COPD Assessment Test Identify Ever-Smokers with Preserved Lung Function at Higher Risk for Poor Respiratory Outcomes. An Analysis of the Subpopulations and Intermediate Outcome Measures in COPD Study Cohort. Annals of the American Thoracic Society, 2017, 14, 636-642.	3.2	30
54	Reduced COPD Exacerbation Risk Correlates With Improved FEV 1. Chest, 2017, 152, 494-501.	0.8	24

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55	Cardiopulmonary Exercise Testing and Metabolic Myopathies. Annals of the American Thoracic Society, 2017, 14, S129-S139.	3.2	23
56	Exercise responses in patients with chronically high creatine kinase levels. Muscle and Nerve, 2017, 56, 264-270.	2.2	3
57	Design of the Subpopulations and Intermediate Outcome Measures in COPD (SPIROMICS) AIR Study. BMJ Open Respiratory Research, 2017, 4, e000186.	3.0	21
58	Differentiation of quantitative CT imaging phenotypes in asthma versus COPD. BMJ Open Respiratory Research, 2017, 4, e000252.	3.0	30
59	Diagnostic Value of Quantitative Chest CTÂScan in a Case of SpontaneousÂPneumothorax. Chest, 2017, 152, e109-e114.	0.8	1
60	Association of sputum and blood eosinophil concentrations with clinical measures of COPD severity: an analysis of the SPIROMICS cohort. Lancet Respiratory Medicine,the, 2017, 5, 956-967.	10.7	211
61	Frequency of exacerbations in patients with chronic obstructive pulmonary disease: an analysis of the SPIROMICS cohort. Lancet Respiratory Medicine,the, 2017, 5, 619-626.	10.7	219
62	Obstructive pulmonary disease in patients with previous tuberculosis: Pathophysiology of a community-based cohort. South African Medical Journal, 2017, 107, 440.	0.6	17
63	Interrelationship between Sleep and Exercise: A Systematic Review. Advances in Preventive Medicine, 2017, 2017, 1-14.	2.7	168
64	Variability in objective and subjective measures affects baseline values in studies of patients with COPD. PLoS ONE, 2017, 12, e0184606.	2.5	20
65	A Systematic Method to Detect the Metabolic Threshold from Gas Exchange during Incremental Exercise. Journal of Sports Science and Medicine, 2017, 16, 396-406.	1.6	7
66	Reverse fiber type disproportion: A distinct metabolic myopathy. Muscle and Nerve, 2016, 54, 86-93.	2.2	3
67	A controlled statistical study to assess measurement variability as a function of test object position and configuration for automated surveillance in a multicenter longitudinal COPD study (SPIROMICS). Medical Physics, 2016, 43, 2598-2610.	3.0	6
68	Effect of Exercise Training on Striatal Dopamine D2/D3 Receptors in Methamphetamine Users during Behavioral Treatment. Neuropsychopharmacology, 2016, 41, 1629-1636.	5.4	96
69	Impact of an exercise intervention on methamphetamine use outcomes post-residential treatment care. Drug and Alcohol Dependence, 2015, 156, 21-28.	3.2	67
70	COPD management: need for more consensus â€“ Authors' reply. Lancet Respiratory Medicine,the, 2015, 3, e22-e23.	10.7	0
71	Diffusing Capacity for Carbon Monoxide Correlates Best With Tissue Volume From Quantitative CT Scanning Analysis. Chest, 2015, 147, 1485-1493.	0.8	23
72	The Impact of Exercise On Depression and Anxiety Symptoms Among Abstinent Methamphetamine-Dependent Individuals in A Residential Treatment Setting. Journal of Substance Abuse Treatment, 2015, 57, 36-40.	2.8	68

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73	A new algorithm for the management of COPD. Lancet Respiratory Medicine,the, 2015, 3, 266-268.	10.7	19
74	Predictors of depression outcomes among abstinent methamphetamineâ€dependent individuals exposed to an exercise intervention. American Journal on Addictions, 2015, 24, 246-251.	1.4	28
75	Supplemental Oxygen Therapy for Patients with Chronic Obstructive Pulmonary Disease. Seminars in Respiratory and Critical Care Medicine, 2015, 36, 552-566.	2.1	7
76	Exercise for methamphetamine dependence: Rationale, design, and methodology. Contemporary Clinical Trials, 2014, 37, 139-147.	1.8	24
77	A controlled study of community-based exercise training in patients with moderate COPD. BMC Pulmonary Medicine, 2014, 14, 125.	2.0	20
78	Predictors of depression outcomes among abstinent methamphetamine-dependent individuals exposed to an exercise intervention. American Journal on Addictions, 2014, 24, n/a-n/a.	1.4	1
79	PHASER: Physiological Health Assessment System for emergency responders. , 2013, , .		7
80	Treadmill Endurance During 2-Year Treatment With Tiotropium in Patients With COPD. Chest, 2013, 144, 490-497.	0.8	42
81	Airflow obstruction and exercise. Respiratory Medicine, 2009, 103, 325-334.	2.9	66
82	Primary Care of the Patient with Chronic Obstructive Pulmonary Diseaseâ€”Part 4: Understanding the Clinical Manifestations of a Progressive Disease. American Journal of Medicine, 2008, 121, S33-S45.	1.5	33
83	Venous Admixture in COPD: Pathophysiology and Therapeutic Approaches. COPD: Journal of Chronic Obstructive Pulmonary Disease, 2008, 5, 376-381.	1.6	24
84	Improvement in self-reported exercise participation with the combination of tiotropium and rehabilitative exercise training in COPD patients. International Journal of COPD, 2008, Volume 3, 127-136.	2.3	62
85	The Connection Between Chronic Obstructive Pulmonary Disease Symptoms and Hyperinflation and Its Impact on Exercise and Function. American Journal of Medicine, 2006, 119, 21-31.	1.5	254
86	Assessment of Pulmonary Function in COPD. Seminars in Respiratory and Critical Care Medicine, 2005, 26, 246-252.	2.1	20
87	Improvement in Exercise Tolerance With the Combination of Tiotropium and Pulmonary Rehabilitation in Patients With COPD. Chest, 2005, 127, 809-817.	0.8	349
88	Using a Collaborative Weaning Plan to Decrease Duration of Mechanical Ventilation and Length of Stay in the Intensive Care Unit for Patients Receiving Long-Term Ventilation. American Journal of Critical Care, 2002, 11, 132-140.	1.6	39
89	Exercise in chronic pulmonary disease: aerobic exercise prescription. Medicine and Science in Sports and Exercise, 2001, 33, S671-S679.	0.4	59