

Christopher B Cooper

List of Publications by Year in descending order

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Version: 2024-02-01

89
papers

3,097
citations

218381

26
h-index

174990

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 FEV ₁ % on Chronic Obstructive Pulmonary Disease. <i>Annals of the American Thoracic Society</i> , 2022, 19, 171-178.	1.5	7
2	Significance of FEV ₃ /FEV ₆ in Recognition of Early Airway Disease in Smokers at Risk of Development of COPD. <i>Chest</i> , 2022, 161, 949-959.	0.4	6
3	Identification of Sputum Biomarkers Predictive of Pulmonary Exacerbations in COPD. <i>Chest</i> , 2022, 161, 1239-1249.	0.4	20
4	Craving among individuals with stimulant use disorder in residential social model-based treatment “Can exercise help?”. <i>Drug and Alcohol Dependence</i> , 2022, 231, 109247.	1.6	7
5	Forced Expiratory Flow at 25%-75% Links COPD Physiology to Emphysema and Disease Severity in the SPIROMICS Cohort. <i>Chronic Obstructive Pulmonary Diseases (Miami, Fla)</i> , 2022, 9, 111-121.	0.5	6
6	Use of a Wearable Biosensor to Study Heart Rate Variability in Chronic Obstructive Pulmonary Disease and Its Relationship to Disease Severity. <i>Sensors</i> , 2022, 22, 2264.	2.1	5
7	Ambient ozone effects on respiratory outcomes among smokers modified by neighborhood poverty: An analysis of SPIROMICS AIR. <i>Science of the Total Environment</i> , 2022, 829, 154694.	3.9	9
8	Contribution of Individual and Neighborhood Factors to Racial Disparities in Respiratory Outcomes. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2021, 203, 987-997.	2.5	38
9	Mucus Plugs and Emphysema in the Pathophysiology of Airflow Obstruction and Hypoxemia in Smokers. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2021, 203, 957-968.	2.5	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. <i>Indoor Air</i> , 2021, 31, 702-716.	2.0	11
11	Age-Dependent Associations Between 25-Hydroxy Vitamin D Levels and COPD Symptoms: Analysis of SPIROMICS. <i>Chronic Obstructive Pulmonary Diseases (Miami, Fla)</i> , 2021, 8, 277-291.	0.5	1
12	Objectively Measured Physical Activity in Patients with COPD: Recommendations from an International Task Force on Physical Activity. <i>Chronic Obstructive Pulmonary Diseases (Miami, Fla)</i> , 2021, 8, 528-550.	0.5	24
13	Polycythemia is Associated with Lower Incidence of Severe COPD Exacerbations in the SPIROMICS Study. <i>Chronic Obstructive Pulmonary Diseases (Miami, Fla)</i> , 2021, 8, 326-335.	0.5	0
14	Defining Resilience to Smoking Related Lung Disease: A Modified Delphi Approach from SPIROMICS. <i>Annals of the American Thoracic Society</i> , 2021, 18, 1822-1831.	1.5	5
15	Latent traits of lung tissue patterns in former smokers derived by dual channel deep learning in computed tomography images. <i>Scientific Reports</i> , 2021, 11, 4916.	1.6	12
16	Genetic and non-genetic factors affecting the expression of COVID-19-relevant genes in the large airway epithelium. <i>Genome Medicine</i> , 2021, 13, 66.	3.6	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). <i>International Journal of COPD</i> , 2021, Volume 16, 1477-1496.	0.9	8
18	Airway mucin MUC5AC and MUC5B concentrations and the initiation and progression of chronic obstructive pulmonary disease: an analysis of the SPIROMICS cohort. <i>Lancet Respiratory Medicine</i> , the, 2021, 9, 1241-1254.	5.2	80

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19	Objectively Measured Physical Activity as a COPD Clinical Trial Outcome. <i>Chest</i> , 2021, 160, 2080-2100.	0.4	17
20	Ratio of FEV1/Slow Vital Capacity of ≤ 0.7 Is Associated With Clinical, Functional, and Radiologic Features of Obstructive Lung Disease in Smokers With Preserved Lung Function. <i>Chest</i> , 2021, 160, 94-103.	0.4	8
21	The Effects of Rare <i>SERPINA1</i> Variants on Lung Function and Emphysema in SPIROMICS. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020, 201, 540-554.	2.5	38
22	Association of Long-term Ambient Ozone Exposure With Respiratory Morbidity in Smokers. <i>JAMA Internal Medicine</i> , 2020, 180, 106.	2.6	49
23	Current smoking with or without chronic bronchitis is independently associated with goblet cell hyperplasia in healthy smokers and COPD subjects. <i>Scientific Reports</i> , 2020, 10, 20133.	1.6	8
24	Remote Patient Monitoring for the Detection of COPD Exacerbations. <i>International Journal of COPD</i> , 2020, Volume 15, 2005-2013.	0.9	12
25	Novel Respiratory Disability Score Predicts COPD Exacerbations and Mortality in the Spiromics Cohort. <i>International Journal of COPD</i> , 2020, Volume 15, 1887-1898.	0.9	2
26	Reference Values for Chronotropic Index from 1280 Incremental Cycle Ergometry Tests. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 2515-2521.	0.2	7
27	Defining Chronic Mucus Hypersecretion Using the CAT in the SPIROMICS Cohort. <i>International Journal of COPD</i> , 2020, Volume 15, 2467-2476.	0.9	11
28	Transition from Restrictive to Obstructive Lung Function Impairment During Treatment and Follow-Up of Active Tuberculosis. <i>International Journal of COPD</i> , 2020, Volume 15, 1039-1047.	0.9	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. <i>Chronic Obstructive Pulmonary Diseases (Miami, Fla)</i> , 2020, 7, 370-381.	0.5	5
30	The Association Between Neighborhood Socioeconomic Disadvantage and Chronic Obstructive Pulmonary Disease. <i>International Journal of COPD</i> , 2020, Volume 15, 981-993.	0.9	27
31	Pulmonary Rehabilitation for Chronic Obstructive Pulmonary Disease: Highly Effective but Often Overlooked. <i>Tuberculosis and Respiratory Diseases</i> , 2020, 83, 257-267.	0.7	12
32	Serum amino acid concentrations and clinical outcomes in smokers: SPIROMICS metabolomics study. <i>Scientific Reports</i> , 2019, 9, 11367.	1.6	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). <i>Respiratory Research</i> , 2019, 20, 153.	1.4	25
34	Behavioral Modification Enhances the Benefits from Structured Aerobic and Resistance Training. <i>Sports Medicine International Open</i> , 2019, 03, E48-E57.	0.3	2
35	Radiographic lung volumes predict progression to COPD in smokers with preserved spirometry in SPIROMICS. <i>European Respiratory Journal</i> , 2019, 54, 1802214.	3.1	29
36	Spirometric indices of early airflow impairment in individuals at risk of developing COPD: Spirometry beyond FEV1/FVC. <i>Respiratory Medicine</i> , 2019, 156, 58-68.	1.3	40

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37	Aspirin Use and Respiratory Morbidity in COPD. <i>Chest</i> , 2019, 155, 519-527.	0.4	25
38	Systemic Markers of Inflammation in Smokers With Symptoms Despite Preserved Spirometry in SPIROMICS. <i>Chest</i> , 2019, 155, 908-917.	0.4	18
39	Statistical Process Control Improves The Feasibility Of Remote Physiological Monitoring In Patients With Chronic Obstructive Pulmonary Disease. <i>International Journal of COPD</i> , 2019, Volume 14, 2485-2496.	0.9	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. <i>Annals of the American Thoracic Society</i> , 2019, 16, 200-208.	1.5	31
41	Structural and Functional Features on Quantitative Chest Computed Tomography in the Korean Asian versus the White American Healthy Non-Smokers. <i>Korean Journal of Radiology</i> , 2019, 20, 1236.	1.5	13
42	Heart Rate Acquisition and Threshold-Based Training Increases Oxygen Uptake at Metabolic Threshold in Triathletes: A Pilot Study. <i>International Journal of Exercise Science</i> , 2019, 12, 144-154.	0.5	4
43	Patient characteristics and outcomes of a home mechanical ventilation program in a developing country. <i>Lung India</i> , 2019, 36, 207-211.	0.3	2
44	Human airway branch variation and chronic obstructive pulmonary disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E974-E981.	3.3	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). <i>Chronic Obstructive Pulmonary Diseases (Miami, Fla)</i> , 2018, 5, 46-56.	0.5	21
46	Heterogeneous burden of lung disease in smokers with borderline airflow obstruction. <i>Respiratory Research</i> , 2018, 19, 223.	1.4	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). <i>Respiratory Research</i> , 2018, 19, 178.	1.4	20
48	Occupational Exposures and Computed Tomographic Imaging Characteristics in the SPIROMICS Cohort. <i>Annals of the American Thoracic Society</i> , 2018, 15, 1411-1419.	1.5	27
49	Effect of altering breathing frequency on maximum voluntary ventilation in healthy adults. <i>BMC Pulmonary Medicine</i> , 2018, 18, 89.	0.8	5
50	Genome-wide association study of lung function and clinical implication in heavy smokers. <i>BMC Medical Genetics</i> , 2018, 19, 134.	2.1	28
51	NT-proBNP in stable COPD and future exacerbation risk: Analysis of the SPIROMICS cohort. <i>Respiratory Medicine</i> , 2018, 140, 87-93.	1.3	18
52	Wrist-worn triaxial accelerometry predicts the energy expenditure of non-vigorous daily physical activities. <i>Journal of Science and Medicine in Sport</i> , 2017, 20, 761-765.	0.6	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. <i>Annals of the American Thoracic Society</i> , 2017, 14, 636-642.	1.5	30
54	Reduced COPD Exacerbation Risk Correlates With Improved FEV 1. <i>Chest</i> , 2017, 152, 494-501.	0.4	24

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55	Cardiopulmonary Exercise Testing and Metabolic Myopathies. <i>Annals of the American Thoracic Society</i> , 2017, 14, S129-S139.	1.5	23
56	Exercise responses in patients with chronically high creatine kinase levels. <i>Muscle and Nerve</i> , 2017, 56, 264-270.	1.0	3
57	Design of the Subpopulations and Intermediate Outcome Measures in COPD (SPIROMICS) AIR Study. <i>BMJ Open Respiratory Research</i> , 2017, 4, e000186.	1.2	21
58	Differentiation of quantitative CT imaging phenotypes in asthma versus COPD. <i>BMJ Open Respiratory Research</i> , 2017, 4, e000252.	1.2	30
59	Diagnostic Value of Quantitative Chest CT Scan in a Case of Spontaneous Pneumothorax. <i>Chest</i> , 2017, 152, e109-e114.	0.4	1
60	Association of sputum and blood eosinophil concentrations with clinical measures of COPD severity: an analysis of the SPIROMICS cohort. <i>Lancet Respiratory Medicine</i> , 2017, 5, 956-967.	5.2	211
61	Frequency of exacerbations in patients with chronic obstructive pulmonary disease: an analysis of the SPIROMICS cohort. <i>Lancet Respiratory Medicine</i> , 2017, 5, 619-626.	5.2	219
62	Obstructive pulmonary disease in patients with previous tuberculosis: Pathophysiology of a community-based cohort. <i>South African Medical Journal</i> , 2017, 107, 440.	0.2	17
63	Interrelationship between Sleep and Exercise: A Systematic Review. <i>Advances in Preventive Medicine</i> , 2017, 2017, 1-14.	1.1	168
64	Variability in objective and subjective measures affects baseline values in studies of patients with COPD. <i>PLoS ONE</i> , 2017, 12, e0184606.	1.1	20
65	A Systematic Method to Detect the Metabolic Threshold from Gas Exchange during Incremental Exercise. <i>Journal of Sports Science and Medicine</i> , 2017, 16, 396-406.	0.7	7
66	Reverse fiber type disproportion: A distinct metabolic myopathy. <i>Muscle and Nerve</i> , 2016, 54, 86-93.	1.0	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). <i>Medical Physics</i> , 2016, 43, 2598-2610.	1.6	6
68	Effect of Exercise Training on Striatal Dopamine D2/D3 Receptors in Methamphetamine Users during Behavioral Treatment. <i>Neuropsychopharmacology</i> , 2016, 41, 1629-1636.	2.8	96
69	Impact of an exercise intervention on methamphetamine use outcomes post-residential treatment care. <i>Drug and Alcohol Dependence</i> , 2015, 156, 21-28.	1.6	67
70	COPD management: need for more consensus – Authors' reply. <i>Lancet Respiratory Medicine</i> , 2015, 3, e22-e23.	5.2	0
71	Diffusing Capacity for Carbon Monoxide Correlates Best With Tissue Volume From Quantitative CT Scanning Analysis. <i>Chest</i> , 2015, 147, 1485-1493.	0.4	23
72	The Impact of Exercise On Depression and Anxiety Symptoms Among Abstinent Methamphetamine-Dependent Individuals in A Residential Treatment Setting. <i>Journal of Substance Abuse Treatment</i> , 2015, 57, 36-40.	1.5	68

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73	A new algorithm for the management of COPD. <i>Lancet Respiratory Medicine</i> , 2015, 3, 266-268.	5.2	19
74	Predictors of depression outcomes among abstinent methamphetamine-dependent individuals exposed to an exercise intervention. <i>American Journal on Addictions</i> , 2015, 24, 246-251.	1.3	28
75	Supplemental Oxygen Therapy for Patients with Chronic Obstructive Pulmonary Disease. <i>Seminars in Respiratory and Critical Care Medicine</i> , 2015, 36, 552-566.	0.8	7
76	Exercise for methamphetamine dependence: Rationale, design, and methodology. <i>Contemporary Clinical Trials</i> , 2014, 37, 139-147.	0.8	24
77	A controlled study of community-based exercise training in patients with moderate COPD. <i>BMC Pulmonary Medicine</i> , 2014, 14, 125.	0.8	20
78	Predictors of depression outcomes among abstinent methamphetamine-dependent individuals exposed to an exercise intervention. <i>American Journal on Addictions</i> , 2014, 24, n/a-n/a.	1.3	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. <i>Chest</i> , 2013, 144, 490-497.	0.4	42
81	Airflow obstruction and exercise. <i>Respiratory Medicine</i> , 2009, 103, 325-334.	1.3	66
82	Primary Care of the Patient with Chronic Obstructive Pulmonary Disease—Part 4: Understanding the Clinical Manifestations of a Progressive Disease. <i>American Journal of Medicine</i> , 2008, 121, S33-S45.	0.6	33
83	Venous Admixture in COPD: Pathophysiology and Therapeutic Approaches. <i>COPD: Journal of Chronic Obstructive Pulmonary Disease</i> , 2008, 5, 376-381.	0.7	24
84	Improvement in self-reported exercise participation with the combination of tiotropium and rehabilitative exercise training in COPD patients. <i>International Journal of COPD</i> , 2008, Volume 3, 127-136.	0.9	62
85	The Connection Between Chronic Obstructive Pulmonary Disease Symptoms and Hyperinflation and Its Impact on Exercise and Function. <i>American Journal of Medicine</i> , 2006, 119, 21-31.	0.6	254
86	Assessment of Pulmonary Function in COPD. <i>Seminars in Respiratory and Critical Care Medicine</i> , 2005, 26, 246-252.	0.8	20
87	Improvement in Exercise Tolerance With the Combination of Tiotropium and Pulmonary Rehabilitation in Patients With COPD. <i>Chest</i> , 2005, 127, 809-817.	0.4	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. <i>American Journal of Critical Care</i> , 2002, 11, 132-140.	0.8	39
89	Exercise in chronic pulmonary disease: aerobic exercise prescription. <i>Medicine and Science in Sports and Exercise</i> , 2001, 33, S671-S679.	0.2	59