

# Russell P Bowler

## List of Publications by Citations

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173  
papers

6,748  
citations

46  
h-index

76  
g-index

184  
ext. papers

8,260  
ext. citations

5.6  
avg. IF

5.47  
L-index

#	Paper	IF	Citations
173	Oxidative stress in allergic respiratory diseases. <i>Journal of Allergy and Clinical Immunology</i> , <b>2002</b> , 110, 349-56	11.5	318
172	Pulmonary arterial enlargement and acute exacerbations of COPD. <i>New England Journal of Medicine</i> , <b>2012</b> , 367, 913-21	59.2	316
171	Chronic obstructive pulmonary disease exacerbations in the COPDGene study: associated radiologic phenotypes. <i>Radiology</i> , <b>2011</b> , 261, 274-82	20.5	300
170	Association between Functional Small Airway Disease and FEV1 Decline in Chronic Obstructive Pulmonary Disease. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2016</b> , 194, 178-84	10.2	194
169	The multiMiR R package and database: integration of microRNA-target interactions along with their disease and drug associations. <i>Nucleic Acids Research</i> , <b>2014</b> , 42, e133	20.1	192
168	Dose-effect relationships between manganese exposure and neurological, neuropsychological and pulmonary function in confined space bridge welders. <i>Occupational and Environmental Medicine</i> , <b>2007</b> , 64, 167-77	2.1	188
167	Lovastatin enhances clearance of apoptotic cells (efferocytosis) with implications for chronic obstructive pulmonary disease. <i>Journal of Immunology</i> , <b>2006</b> , 176, 7657-65	5.3	175
166	GOLD 2011 disease severity classification in COPDGene: a prospective cohort study. <i>Lancet Respiratory Medicine</i> , <b>2013</b> , 1, 43-50	35.1	171
165	Acute Exacerbations and Lung Function Loss in Smokers with and without Chronic Obstructive Pulmonary Disease. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2017</b> , 195, 324-330	10.2	140
164	Extracellular superoxide dismutase (EC-SOD) binds to type I collagen and protects against oxidative fragmentation. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 13705-10	5.4	138
163	Cigarette smoke impairs clearance of apoptotic cells through oxidant-dependent activation of RhoA. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2009</b> , 179, 1011-21	10.2	124
162	Interaction among nitric oxide, reactive oxygen species, and antioxidants during endotoxemia-related acute renal failure. <i>American Journal of Physiology - Renal Physiology</i> , <b>2003</b> , 284, F532-7	4.3	121
161	Oxidative stress in airways: is there a role for extracellular superoxide dismutase?. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2002</b> , 166, S38-43	10.2	117
160	A combined pulmonary-radiology workshop for visual evaluation of COPD: study design, chest CT findings and concordance with quantitative evaluation. <i>COPD: Journal of Chronic Obstructive Pulmonary Disease</i> , <b>2012</b> , 9, 151-9	2	114
159	Extracellular superoxide dismutase and oxidant damage in osteoarthritis. <i>Arthritis and Rheumatism</i> , <b>2005</b> , 52, 3479-91		112
158	Role of extracellular superoxide dismutase in bleomycin-induced pulmonary fibrosis. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2002</b> , 282, L719-26	5.8	107
157	Sequelae of fume exposure in confined space welding: a neurological and neuropsychological case series. <i>NeuroToxicology</i> , <b>2007</b> , 28, 298-311	4.4	102

156	The role of oxidative stress in chronic obstructive pulmonary disease. <i>COPD: Journal of Chronic Obstructive Pulmonary Disease</i> , <b>2004</b> , 1, 255-77	2	101
155	Physiologic correlates of distal lung inflammation in asthma. <i>Journal of Allergy and Clinical Immunology</i> , <b>2004</b> , 113, 1046-50	11.5	98
154	Phenotypes of chronic obstructive pulmonary disease. <i>COPD: Journal of Chronic Obstructive Pulmonary Disease</i> , <b>2007</b> , 4, 355-84	2	93
153	Plasma sphingolipids associated with chronic obstructive pulmonary disease phenotypes. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2015</b> , 191, 275-84	10.2	88
152	Effects of metalloporphyrin catalytic antioxidants in experimental brain ischemia. <i>Free Radical Biology and Medicine</i> , <b>2002</b> , 33, 947-61	7.8	88
151	Extracellular superoxide dismutase attenuates lipopolysaccharide-induced neutrophilic inflammation. <i>American Journal of Respiratory Cell and Molecular Biology</i> , <b>2004</b> , 31, 432-9	5.7	84
150	Superoxide dismutase 3 polymorphism associated with reduced lung function in two large populations. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2008</b> , 178, 906-12	10.2	81
149	CT-based Visual Classification of Emphysema: Association with Mortality in the COPD Gene Study. <i>Radiology</i> , <b>2018</b> , 288, 859-866	20.5	80
148	Peripheral blood mononuclear cell gene expression in chronic obstructive pulmonary disease. <i>American Journal of Respiratory Cell and Molecular Biology</i> , <b>2013</b> , 49, 316-23	5.7	77
147	Biomarkers Predictive of Exacerbations in the SPIROMICS and COPD Gene Cohorts. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2017</b> , 195, 473-481	10.2	73
146	Proteomic analysis of pulmonary edema fluid and plasma in patients with acute lung injury. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2004</b> , 286, L1095-104	5.8	73
145	Circulating soluble receptor for advanced glycation end products (sRAGE) as a biomarker of emphysema and the RAGE axis in the lung. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2015</b> , 192, 785-92	10.2	70
144	Multiple biomarkers predict disease severity, progression and mortality in COPD. <i>Respiratory Research</i> , <b>2017</b> , 18, 117	7.3	66
143	Pulmonary edema fluid antioxidants are depressed in acute lung injury. <i>Critical Care Medicine</i> , <b>2003</b> , 31, 2309-15	1.4	65
142	Oxidative stress in the pathogenesis of asthma. <i>Current Allergy and Asthma Reports</i> , <b>2004</b> , 4, 116-22	5.6	64
141	Common Genetic Polymorphisms Influence Blood Biomarker Measurements in COPD. <i>PLoS Genetics</i> , <b>2016</b> , 12, e1006011	6	64
140	The value of blood cytokines and chemokines in assessing COPD. <i>Respiratory Research</i> , <b>2017</b> , 18, 180	7.3	62
139	Prediction of acute respiratory disease in current and former smokers with and without COPD. <i>Chest</i> , <b>2014</b> , 146, 941-950	5.3	61

138	Superoxide dismutase mimetic, MnTE-2-PyP, attenuates chronic hypoxia-induced pulmonary hypertension, pulmonary vascular remodeling, and activation of the NALP3 inflammasome. <i>Antioxidants and Redox Signaling</i> , <b>2013</b> , 18, 1753-64	8.4	61
137	Proteomics in pulmonary medicine. <i>Chest</i> , <b>2006</b> , 130, 567-74	5.3	57
136	Furin proteolytically processes the heparin-binding region of extracellular superoxide dismutase. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 16505-11	5.4	54
135	Induction of antioxidant gene expression in a mouse model of ischemic cardiomyopathy is dependent on reactive oxygen species. <i>Free Radical Biology and Medicine</i> , <b>2006</b> , 40, 2223-31	7.8	52
134	Extracellular superoxide dismutase haplotypes are associated with acute lung injury and mortality. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2009</b> , 179, 105-12	10.2	51
133	Smoking reduces surfactant protein D and phospholipids in patients with and without chronic obstructive pulmonary disease. <i>BMC Pulmonary Medicine</i> , <b>2010</b> , 10, 53	3.5	49
132	Electronic Cigarette Use in US Adults at Risk for or with COPD: Analysis from Two Observational Cohorts. <i>Journal of General Internal Medicine</i> , <b>2017</b> , 32, 1315-1322	4	48
131	The association of plasma biomarkers with computed tomography-assessed emphysema phenotypes. <i>Respiratory Research</i> , <b>2014</b> , 15, 127	7.3	48
130	A catalytic antioxidant (AEOL 10150) attenuates expression of inflammatory genes in stroke. <i>Free Radical Biology and Medicine</i> , <b>2002</b> , 33, 1141-52	7.8	48
129	Quantitative computed tomography measurements to evaluate airway disease in chronic obstructive pulmonary disease: Relationship to physiological measurements, clinical index and visual assessment of airway disease. <i>European Journal of Radiology</i> , <b>2016</b> , 85, 2144-2151	4.7	46
128	Extracellular superoxide dismutase overexpression improves behavioral outcome from closed head injury in the mouse. <i>Journal of Neurotrauma</i> , <b>2001</b> , 18, 625-34	5.4	46
127	Biomarkers of extracellular matrix turnover are associated with emphysema and eosinophilic-bronchitis in COPD. <i>Respiratory Research</i> , <b>2017</b> , 18, 22	7.3	45
126	Efficient Variant Set Mixed Model Association Tests for Continuous and Binary Traits in Large-Scale Whole-Genome Sequencing Studies. <i>American Journal of Human Genetics</i> , <b>2019</b> , 104, 260-274	11	43
125	Plasma antioxidants are associated with impaired lung function and COPD exacerbations in smokers. <i>COPD: Journal of Chronic Obstructive Pulmonary Disease</i> , <b>2011</b> , 8, 264-9	2	42
124	Smoking-Associated Site-Specific Differential Methylation in Buccal Mucosa in the COPD Gene Study. <i>American Journal of Respiratory Cell and Molecular Biology</i> , <b>2015</b> , 53, 246-54	5.7	41
123	MSPrep--summarization, normalization and diagnostics for processing of mass spectrometry-based metabolomic data. <i>Bioinformatics</i> , <b>2014</b> , 30, 133-4	7.2	41
122	Do COPD subtypes really exist? COPD heterogeneity and clustering in 10 independent cohorts. <i>Thorax</i> , <b>2017</b> , 72, 998-1006	7.3	40
121	Automated telecommunication to obtain longitudinal follow-up in a multicenter cross-sectional COPD study. <i>COPD: Journal of Chronic Obstructive Pulmonary Disease</i> , <b>2012</b> , 9, 466-72	2	39

120	Features of COPD as Predictors of Lung Cancer. <i>Chest</i> , <b>2018</b> , 153, 1326-1335	5.3	38
119	The association of adiponectin with computed tomography phenotypes in chronic obstructive pulmonary disease. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2013</b> , 188, 561-6	10.2	37
118	N-acetylcysteine and exacerbations of chronic obstructive pulmonary disease. <i>COPD: Journal of Chronic Obstructive Pulmonary Disease</i> , <b>2006</b> , 3, 195-202	2	37
117	Metabolomics and transcriptomics pathway approach reveals outcome-specific perturbations in COPD. <i>Scientific Reports</i> , <b>2018</b> , 8, 17132	4.9	36
116	Endogenous enzymes (NOX and ECSOD) regulate smoke-induced oxidative stress. <i>Free Radical Biology and Medicine</i> , <b>2010</b> , 49, 1937-46	7.8	35
115	Evidence for extracellular superoxide dismutase as a mediator of hemorrhage-induced lung injury. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2003</b> , 284, L680-7	5.8	35
114	Genome-Wide Association Study of the Genetic Determinants of Emphysema Distribution. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2017</b> , 195, 757-771	10.2	33
113	Targeting vascular injury using Hantavirus-pseudotyped lentiviral vectors. <i>Molecular Therapy</i> , <b>2006</b> , 13, 694-704	11.7	32
112	Comorbidities of COPD have a major impact on clinical outcomes, particularly in African Americans. <i>Chronic Obstructive Pulmonary Diseases (Miami, Fla)</i> , <b>2014</b> , 1, 105-114	2.7	32
111	Handgrip Strength in Chronic Obstructive Pulmonary Disease. Associations with Acute Exacerbations and Body Composition. <i>Annals of the American Thoracic Society</i> , <b>2017</b> , 14, 1638-1645	4.7	31
110	Histone deacetylation contributes to low extracellular superoxide dismutase expression in human idiopathic pulmonary arterial hypertension. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2016</b> , 311, L124-34	5.8	31
109	Analysis of the plasma proteome in COPD: Novel low abundance proteins reflect the severity of lung remodeling. <i>COPD: Journal of Chronic Obstructive Pulmonary Disease</i> , <b>2014</b> , 11, 177-89	2	30
108	Transient and persistent metabolomic changes in plasma following chronic cigarette smoke exposure in a mouse model. <i>PLoS ONE</i> , <b>2014</b> , 9, e101855	3.7	30
107	Relationships between diffusing capacity for carbon monoxide (DLCO), and quantitative computed tomography measurements and visual assessment for chronic obstructive pulmonary disease. <i>European Journal of Radiology</i> , <b>2015</b> , 84, 980-5	4.7	29
106	Clinical Epidemiology of COPD: Insights From 10 Years of the COPD Gene Study. <i>Chest</i> , <b>2019</b> , 156, 228-233	3.3	29
105	A common polymorphism in extracellular superoxide dismutase affects cardiopulmonary disease risk by altering protein distribution. <i>Circulation: Cardiovascular Genetics</i> , <b>2014</b> , 7, 659-66		29
104	Cigarette smoke decreases airway epithelial FABP5 expression and promotes <i>Pseudomonas aeruginosa</i> infection. <i>PLoS ONE</i> , <b>2013</b> , 8, e51784	3.7	29
103	Diffusing Capacity of Carbon Monoxide in Assessment of COPD. <i>Chest</i> , <b>2019</b> , 156, 1111-1119	5.3	28

102	Superoxide Dismutase 3 R213G Single-Nucleotide Polymorphism Blocks Murine Bleomycin-Induced Fibrosis and Promotes Resolution of Inflammation. <i>American Journal of Respiratory Cell and Molecular Biology</i> , <b>2017</b> , 56, 362-371	5.7	28
101	Comparison of Proteomic Assessment Methods in Multiple Cohort Studies. <i>Proteomics</i> , <b>2020</b> , 20, e1900278	7.8	27
100	Gender differences of airway dimensions in anatomically matched sites on CT in smokers. <i>COPD: Journal of Chronic Obstructive Pulmonary Disease</i> , <b>2011</b> , 8, 285-92	2	27
99	New Strategies and Challenges in Lung Proteomics and Metabolomics. An Official American Thoracic Society Workshop Report. <i>Annals of the American Thoracic Society</i> , <b>2017</b> , 14, 1721-1743	4.7	26
98	Integrative omics approach identifies interleukin-16 as a biomarker of emphysema. <i>OMICS A Journal of Integrative Biology</i> , <b>2013</b> , 17, 619-26	3.8	25
97	Smoking and COPD increase sputum levels of extracellular superoxide dismutase. <i>Free Radical Biology and Medicine</i> , <b>2011</b> , 51, 726-32	7.8	25
96	Pectoralis muscle area and mortality in smokers without airflow obstruction. <i>Respiratory Research</i> , <b>2018</b> , 19, 62	7.3	24
95	Lobar Emphysema Distribution Is Associated With 5-Year Radiological Disease Progression. <i>Chest</i> , <b>2018</b> , 153, 65-76	5.3	23
94	DJ-1 Modulates Nuclear Erythroid 2-Related Factor-2-Mediated Protection in Human Primary Alveolar Type II Cells in Smokers. <i>American Journal of Respiratory Cell and Molecular Biology</i> , <b>2016</b> , 55, 439-49	5.7	23
93	Interstitial Features at Chest CT Enhance the Deleterious Effects of Emphysema in the COPD Gene Cohort. <i>Radiology</i> , <b>2018</b> , 288, 600-609	20.5	22
92	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> , <b>2017</b> , 14, 636-642	4.7	21
91	The discordant method: a novel approach for differential correlation. <i>Bioinformatics</i> , <b>2016</b> , 32, 690-6	7.2	21
90	Systemic Markers of Adaptive and Innate Immunity Are Associated with Chronic Obstructive Pulmonary Disease Severity and Spirometric Disease Progression. <i>American Journal of Respiratory Cell and Molecular Biology</i> , <b>2018</b> , 58, 500-509	5.7	21
89	Impact of Blood Collection Tubes and Sample Handling Time on Serum and Plasma Metabolome and Lipidome. <i>Metabolites</i> , <b>2018</b> , 8,	5.6	21
88	Omics and the Search for Blood Biomarkers in Chronic Obstructive Pulmonary Disease. Insights from COPD Gene. <i>American Journal of Respiratory Cell and Molecular Biology</i> , <b>2019</b> , 61, 143-149	5.7	20
87	The cellular distribution of extracellular superoxide dismutase in macrophages is altered by cellular activation but unaffected by the naturally occurring R213G substitution. <i>Free Radical Biology and Medicine</i> , <b>2014</b> , 69, 348-56	7.8	20
86	Abdominal Visceral Adipose Tissue is Associated with Myocardial Infarction in Patients with COPD. <i>Chronic Obstructive Pulmonary Diseases (Miami, Fla)</i> , <b>2015</b> , 2, 8-16	2.7	20
85	Association of urine mitochondrial DNA with clinical measures of COPD in the SPIROMICS cohort. <i>JCI Insight</i> , <b>2020</b> , 5,	9.9	19

84	Surfactant protein D as a biomarker for chronic obstructive pulmonary disease. <i>COPD: Journal of Chronic Obstructive Pulmonary Disease</i> , <b>2012</b> , 9, 651-3	2	18
83	Circulating hematopoietic progenitor cells are decreased in COPD. <i>COPD: Journal of Chronic Obstructive Pulmonary Disease</i> , <b>2014</b> , 11, 277-89	2	18
82	The R213G polymorphism in SOD3 protects against allergic airway inflammation. <i>JCI Insight</i> , <b>2017</b> , 2,	9.9	18
81	Machine Learning Characterization of COPD Subtypes: Insights From the COPDGene Study. <i>Chest</i> , <b>2020</b> , 157, 1147-1157	5.3	18
80	Family relationship quality is associated with psychological distress, dyspnea, and quality of life in COPD. <i>COPD: Journal of Chronic Obstructive Pulmonary Disease</i> , <b>2009</b> , 6, 359-68	2	16
79	Right ventricular diastolic function and exercise capacity in COPD. <i>Respiratory Medicine</i> , <b>2015</b> , 109, 1287-98	7.8	15
78	Machine Learning and Prediction of All-Cause Mortality in COPD. <i>Chest</i> , <b>2020</b> , 158, 952-964	5.3	15
77	Gene and metabolite time-course response to cigarette smoking in mouse lung and plasma. <i>PLoS ONE</i> , <b>2017</b> , 12, e0178281	3.7	15
76	Muscle-derived extracellular superoxide dismutase inhibits endothelial activation and protects against multiple organ dysfunction syndrome in mice. <i>Free Radical Biology and Medicine</i> , <b>2017</b> , 113, 212-223	7.8	14
75	Menthol cigarette smoking in the COPDGene cohort: relationship with COPD, comorbidities and CT metrics. <i>Respirology</i> , <b>2015</b> , 20, 108-14	3.6	14
74	Associations Among 25-Hydroxyvitamin D Levels, Lung Function, and Exacerbation Outcomes in COPD: An Analysis of the SPIROMICS Cohort. <i>Chest</i> , <b>2020</b> , 157, 856-865	5.3	14
73	Association of thrombocytosis with COPD morbidity: the SPIROMICS and COPDGene cohorts. <i>Respiratory Research</i> , <b>2018</b> , 19, 20	7.3	14
72	Risk factors for COPD exacerbations in inhaled medication users: the COPDGene study biannual longitudinal follow-up prospective cohort. <i>BMC Pulmonary Medicine</i> , <b>2016</b> , 16, 28	3.5	13
71	Bronchoalveolar Lavage Fluid from COPD Patients Reveals More Compounds Associated with Disease than Matched Plasma. <i>Metabolites</i> , <b>2019</b> , 9,	5.6	13
70	Metabolomic similarities between bronchoalveolar lavage fluid and plasma in humans and mice. <i>Scientific Reports</i> , <b>2017</b> , 7, 5108	4.9	13
69	Subtypes of COPD Have Unique Distributions and Differential Risk of Mortality. <i>Chronic Obstructive Pulmonary Diseases (Miami, Fla)</i> , <b>2019</b> , 6, 400-413	2.7	13
68	Cigarette Smoke Induces Human Epidermal Receptor 2-Dependent Changes in Epithelial Permeability. <i>American Journal of Respiratory Cell and Molecular Biology</i> , <b>2016</b> , 54, 853-64	5.7	13
67	Mucus Plugs and Emphysema in the Pathophysiology of Airflow Obstruction and Hypoxemia in Smokers. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2021</b> , 203, 957-968	10.2	13

66	Surface enhanced laser desorption/ionization (SELDI) time-of-flight mass spectrometry to identify patients with chronic obstructive pulmonary disease. <i>COPD: Journal of Chronic Obstructive Pulmonary Disease</i> , <b>2006</b> , 3, 41-50	2	12
65	Aspirin Use and Respiratory Morbidity in COPD: A Propensity Score-Matched Analysis in Subpopulations and Intermediate Outcome Measures in COPD Study. <i>Chest</i> , <b>2019</b> , 155, 519-527	5.3	11
64	Lung Mass in Smokers. <i>Academic Radiology</i> , <b>2017</b> , 24, 386-392	4.3	10
63	Meta-analysis of peripheral blood gene expression modules for COPD phenotypes. <i>PLoS ONE</i> , <b>2017</b> , 12, e0185682	3.7	10
62	Serum amino acid concentrations and clinical outcomes in smokers: SPIROMICS metabolomics study. <i>Scientific Reports</i> , <b>2019</b> , 9, 11367	4.9	10
61	Increased airway iron parameters and risk for exacerbation in COPD: an analysis from SPIROMICS. <i>Scientific Reports</i> , <b>2020</b> , 10, 10562	4.9	10
60	Whole genome sequence association with E-selectin levels reveals loss-of-function variant in African Americans. <i>Human Molecular Genetics</i> , <b>2019</b> , 28, 515-523	5.6	10
59	Contribution of Individual and Neighborhood Factors to Racial Disparities in Respiratory Outcomes. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2021</b> , 203, 987-997	10.2	10
58	Impact of fatty acid binding protein 5-deficiency on COPD exacerbations and cigarette smoke-induced inflammatory response to bacterial infection. <i>Clinical and Translational Medicine</i> , <b>2019</b> , 8, 7	5.7	9
57	Systemic Markers of Inflammation in Smokers With Symptoms Despite Preserved Spirometry in SPIROMICS. <i>Chest</i> , <b>2019</b> , 155, 908-917	5.3	9
56	NT-proBNP in stable COPD and future exacerbation risk: Analysis of the SPIROMICS cohort. <i>Respiratory Medicine</i> , <b>2018</b> , 140, 87-93	4.6	9
55	The beneficial effects of exercise on cartilage are lost in mice with reduced levels of ECSOD in tissues. <i>Journal of Applied Physiology</i> , <b>2015</b> , 118, 760-7	3.7	9
54	Family factors are associated with psychological distress and smoking status in chronic obstructive pulmonary disease. <i>General Hospital Psychiatry</i> , <b>2010</b> , 32, 492-8	5.6	9
53	CD4+ T-Cell Profiles and Peripheral Blood Ex-Vivo Responses to T-Cell Directed Stimulation Delineate COPD Phenotypes. <i>Chronic Obstructive Pulmonary Diseases (Miami, Fla)</i> , <b>2015</b> , 2, 268-280	2.7	9
52	The Association of Aging Biomarkers, Interstitial Lung Abnormalities, and Mortality. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2021</b> , 203, 1149-1157	10.2	9
51	R213G polymorphism in SOD3 protects against bleomycin-induced inflammation and attenuates induction of proinflammatory pathways. <i>Physiological Genomics</i> , <b>2018</b> , 50, 807-816	3.6	8
50	Redistribution of Extracellular Superoxide Dismutase Causes Neonatal Pulmonary Vascular Remodeling and PH but Protects Against Experimental Bronchopulmonary Dysplasia. <i>Antioxidants</i> , <b>2018</b> , 7,	7.1	8
49	Plasma Metabolomic Signatures of Chronic Obstructive Pulmonary Disease and the Impact of Genetic Variants on Phenotype-Driven Modules. <i>Network and Systems Medicine</i> , <b>2020</b> , 3, 159-181	4	8



48	Protein Biomarkers for COPD Outcomes. <i>Chest</i> , <b>2021</b> , 159, 2244-2253	5.3	8
47	Safety and Tolerability of Comprehensive Research Bronchoscopy in Chronic Obstructive Pulmonary Disease. Results from the SPIROMICS Bronchoscopy Substudy. <i>Annals of the American Thoracic Society</i> , <b>2019</b> , 16, 439-446	4.7	8
46	Significance of Low-Attenuation Cluster Analysis on Quantitative CT in the Evaluation of Chronic Obstructive Pulmonary Disease. <i>Korean Journal of Radiology</i> , <b>2018</b> , 19, 139-146	6.9	8
45	Association between acute respiratory disease events and the promoter polymorphism in smokers. <i>Thorax</i> , <b>2018</b> , 73, 1071-1074	7.3	7
44	Alterations in the human lung proteome with lipopolysaccharide. <i>BMC Pulmonary Medicine</i> , <b>2009</b> , 9, 20	3.5	7
43	Soluble receptor for advanced glycation end products (sRAGE) as a biomarker of COPD. <i>Respiratory Research</i> , <b>2021</b> , 22, 127	7.3	7
42	Redistribution of EC-SOD resolves bleomycin-induced inflammation increased apoptosis of recruited alveolar macrophages. <i>FASEB Journal</i> , <b>2019</b> , 33, 13465-13475	0.9	6
41	Real-world use of rescue inhaler sensors, electronic symptom questionnaires and physical activity monitors in COPD. <i>BMJ Open Respiratory Research</i> , <b>2019</b> , 6, e000350	5.6	6
40	A prototypic small molecule database for bronchoalveolar lavage-based metabolomics. <i>Scientific Data</i> , <b>2018</b> , 5, 180060	8.2	6
39	Metabolomic Profiling Reveals Sex Specific Associations with Chronic Obstructive Pulmonary Disease and Emphysema. <i>Metabolites</i> , <b>2021</b> , 11,	5.6	6
38	Genetic and non-genetic factors affecting the expression of COVID-19-relevant genes in the large airway epithelium. <i>Genome Medicine</i> , <b>2021</b> , 13, 66	14.4	6
37	A Bayesian Approach for Learning Gene Networks Underlying Disease Severity in COPD. <i>Statistics in Biosciences</i> , <b>2018</b> , 10, 59-85	1.5	6
36	Identification of Sputum Biomarkers Predictive of Pulmonary Exacerbations in Chronic Obstructive Pulmonary Disease. <i>Chest</i> , <b>2021</b> ,	5.3	5
35	Bayesian inference of networks across multiple sample groups and data types. <i>Biostatistics</i> , <b>2020</b> , 21, 561-576	3.7	5
34	Identifying Protein-metabolite Networks Associated with COPD Phenotypes. <i>Metabolites</i> , <b>2020</b> , 10,	5.6	5
33	Significance of Medication History at the Time of Entry into the COPD Gene Study: Relationship with Exacerbation and CT Metrics. <i>COPD: Journal of Chronic Obstructive Pulmonary Disease</i> , <b>2015</b> , 12, 366-73	2	4
32	Proteomics methods and applications for the practicing clinician. <i>Annals of Allergy, Asthma and Immunology</i> , <b>2009</b> , 102, 523-9	3.2	4
31	Subjective cognitive complaints and neuropsychological performance in former smokers with and without chronic obstructive pulmonary disease. <i>Journal of Clinical and Experimental Neuropsychology</i> , <b>2018</b> , 40, 411-422	2.1	4

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26	Association of Systemic Inflammation with Depressive Symptoms in Individuals with COPD. <i>International Journal of COPD</i> , <b>2021</b> , 16, 2515-2522	3	3
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24	Allelic Heterogeneity at the CRP Locus Identified by Whole-Genome Sequencing in Multi-ancestry Cohorts. <i>American Journal of Human Genetics</i> , <b>2020</b> , 106, 112-120	11	2
23	Reduced Attention in Former Smokers with and without COPD. <i>International Journal of Behavioral Medicine</i> , <b>2019</b> , 26, 600-607	2.6	2
22	Lung, Fat and Bone: Increased Adiponectin Associates with the Combination of Smoking-Related Lung Disease and Osteoporosis. <i>Chronic Obstructive Pulmonary Diseases (Miami, Fla )</i> , <b>2018</b> , 5, 134-143	2.7	2
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20	Daily Activities: The Impact of COPD and Cognitive Dysfunction. <i>Archives of Clinical Neuropsychology</i> , <b>2021</b> , 36, acaa090 767 779-767	2.7	2
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17	Cigarette smoking-associated isoform switching and 3RUTR lengthening via alternative polyadenylation. <i>Genomics</i> , <b>2021</b> , 113, 4184-4195	4.3	1
16	Novel Respiratory Disability Score Predicts COPD Exacerbations and Mortality in the SPIROMICS Cohort. <i>International Journal of COPD</i> , <b>2020</b> , 15, 1887-1898	3	1
15	Distinguishing Smoking-Related Lung Disease Phenotypes Via Imaging and Molecular Features. <i>Chest</i> , <b>2021</b> , 159, 549-563	5.3	1
14	Age-Dependent Associations Between 25-Hydroxy Vitamin D Levels and COPD Symptoms: Analysis of SPIROMICS. <i>Chronic Obstructive Pulmonary Diseases (Miami, Fla )</i> , <b>2021</b> , 8, 277-291	2.7	1
13	Multi-omics subtyping pipeline for chronic obstructive pulmonary disease. <i>PLoS ONE</i> , <b>2021</b> , 16, e0255337	3.7	1

12	Hedgehog interacting protein-expressing lung fibroblasts suppress lymphocytic inflammation in mice. <i>JCI Insight</i> , <b>2021</b> , 6,	9.9	1
11	Increased mortality associated with frequent exacerbations in COPD patients with mild-to-moderate lung function impairment, and smokers with normal spirometry. <i>Respiratory Medicine</i> , <b>2021</b> , 3, 100025	1.6	1
10	Plasma sRAGE levels strongly associate with centrilobular emphysema assessed by HRCT scans.. <i>Respiratory Research</i> , <b>2022</b> , 23, 15	7.3	0
9	PaIRKAT: A pathway integrated regression-based kernel association test with applications to metabolomics and COPD phenotypes. <i>PLoS Computational Biology</i> , <b>2021</b> , 17, e1008986	5	0
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7	Defining Resilience to Smoking-related Lung Disease: A Modified Delphi Approach from SPIROMICS. <i>Annals of the American Thoracic Society</i> , <b>2021</b> , 18, 1822-1831	4.7	0
6	Ratio of FEV1/Slow Vital Capacity of Chest, <b>2021</b> , 160, 94-103	5.3	0
5	A Metabolomic Severity Score for Airflow Obstruction and Emphysema. <i>Metabolites</i> , <b>2022</b> , 12, 368	5.6	0
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