Russell P Bowler

List of Publications by Year in Descending Order

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	Plasma sRAGE levels strongly associate with centrilobular emphysema assessed by HRCT scans.. *Respiratory Research*, **2022**, 23, 15	7.3	0
172	A Metabolomic Severity Score for Airflow Obstruction and Emphysema. *Metabolites*, **2022**, 12, 368	5.6	0
171	An Augmented High-Dimensional Graphical Lasso Method to Incorporate Prior Biological Knowledge for Global Network Learning.. *Frontiers in Genetics*, **2021**, 12, 760299	4.5	
170	Reconsidering the Utility of Race-Specific Lung Function Prediction Equations.. *American Journal of Respiratory and Critical Care Medicine*, **2021**,	10.2	3
169	PaIRKAT: A pathway integrated regression-based kernel association test with applications to metabolomics and COPD phenotypes. *PLoS Computational Biology*, **2021**, 17, e1008986	5	0
168	Cigarette smoking-associated isoform switching and 3RUTR lengthening via alternative polyadenylation. *Genomics*, **2021**, 113, 4184-4195	4.3	1
167	Identification of Sputum Biomarkers Predictive of Pulmonary Exacerbations in Chronic Obstructive Pulmonary Disease. *Chest*, **2021**,	5.3	5
166	Improved prediction of smoking status via isoform-aware RNA-seq deep learning models. *PLoS Computational Biology*, **2021**, 17, e1009433	5	0
165	Daily Activities: The Impact of COPD and Cognitive Dysfunction. *Archives of Clinical Neuropsychology*, **2021**, 36, acaa090 767 779-767	2.7	2
164	Metabolomic Profiling Reveals Sex Specific Associations with Chronic Obstructive Pulmonary Disease and Emphysema. *Metabolites*, **2021**, 11,	5.6	6
163	Association of plasma mitochondrial DNA with COPD severity and progression in the SPIROMICS cohort. *Respiratory Research*, **2021**, 22, 126	7.3	3
162	Soluble receptor for advanced glycation end products (sRAGE) as a biomarker of COPD. *Respiratory Research*, **2021**, 22, 127	7.3	7
161	Genetic and non-genetic factors affecting the expression of COVID-19-relevant genes in the large airway epithelium. *Genome Medicine*, **2021**, 13, 66	14.4	6
160	Protein Biomarkers for COPD Outcomes. *Chest*, **2021**, 159, 2244-2253	5.3	8
159	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	3.7	2
158	Contribution of Individual and Neighborhood Factors to Racial Disparities in Respiratory Outcomes. *American Journal of Respiratory and Critical Care Medicine*, **2021**, 203, 987-997	10.2	10
157	The Association of Aging Biomarkers, Interstitial Lung Abnormalities, and Mortality. *American Journal of Respiratory and Critical Care Medicine*, **2021**, 203, 1149-1157	10.2	9

156	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	10.2	13
155	Distinguishing Smoking-Related Lung Disease Phenotypes Via Imaging and Molecular Features. *Chest*, **2021**, 159, 549-563	5.3	1
154	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	2.7	1
153	Polycythemia is Associated with Lower Incidence of Severe COPD Exacerbations in the SPIROMICS Study. *Chronic Obstructive Pulmonary Diseases (Miami, Fla)*, **2021**, 8, 326-335	2.7	
152	Defining Resilience to Smoking-related Lung Disease: A Modified Delphi Approach from SPIROMICS. *Annals of the American Thoracic Society*, **2021**, 18, 1822-1831	4.7	0
151	Ratio of FEV/Slow Vital Capacity of Chest, **2021**, 160, 94-103	5.3	0
150	Multi-omics subtyping pipeline for chronic obstructive pulmonary disease. *PLoS ONE*, **2021**, 16, e0255337	3.7	1
149	Hedgehog interacting protein-expressing lung fibroblasts suppress lymphocytic inflammation in mice. *JCI Insight*, **2021**, 6,	9.9	1
148	Association of Systemic Inflammation with Depressive Symptoms in Individuals with COPD. *International Journal of COPD*, **2021**, 16, 2515-2522	3	3
147	Increased mortality associated with frequent exacerbations in COPD patients with mild-to-moderate lung function impairment, and smokers with normal spirometry. *Respiratory Medicine: X*, **2021**, 3, 100025	1.6	1
146	Machine Learning and Prediction of All-Cause Mortality in COPD. *Chest*, **2020**, 158, 952-964	5.3	15
145	Comparison of Proteomic Assessment Methods in Multiple Cohort Studies. *Proteomics*, **2020**, 20, e1900278	4.8	27
144	Allelic Heterogeneity at the CRP Locus Identified by Whole-Genome Sequencing in Multi-ancestry Cohorts. *American Journal of Human Genetics*, **2020**, 106, 112-120	11	2
143	Associations Among 25-Hydroxyvitamin D Levels, Lung Function, and Exacerbation Outcomes in COPD: An Analysis of the SPIROMICS Cohort. *Chest*, **2020**, 157, 856-865	5.3	14
142	Association of urine mitochondrial DNA with clinical measures of COPD in the SPIROMICS cohort. *JCI Insight*, **2020**, 5,	9.9	19
141	Plasma Metabolomic Signatures of Chronic Obstructive Pulmonary Disease and the Impact of Genetic Variants on Phenotype-Driven Modules. *Network and Systems Medicine*, **2020**, 3, 159-181	4	8
140	Machine Learning Characterization of COPD Subtypes: Insights From the COPDGene Study. *Chest*, **2020**, 157, 1147-1157	5.3	18
139	Increased airway iron parameters and risk for exacerbation in COPD: an analysis from SPIROMICS. *Scientific Reports*, **2020**, 10, 10562	4.9	10

138	Lung-Specific Risk Factors Associated With Incident Hip Fracture in Current and Former Smokers. *Journal of Bone and Mineral Research*, **2020**, 35, 1952-1961	6.3	2
137	Novel Respiratory Disability Score Predicts COPD Exacerbations and Mortality in the SPIROMICS Cohort. *International Journal of COPD*, **2020**, 15, 1887-1898	3	1
136	Bayesian inference of networks across multiple sample groups and data types. *Biostatistics*, **2020**, 21, 561-576	3.7	5
135	Identifying Protein-metabolite Networks Associated with COPD Phenotypes. *Metabolites*, **2020**, 10,	5.6	5
134	Diffusing Capacity of Carbon Monoxide in Assessment of COPD. *Chest*, **2019**, 156, 1111-1119	5.3	28
133	Impact of fatty acid binding protein 5-deficiency on COPD exacerbations and cigarette smoke-induced inflammatory response to bacterial infection. *Clinical and Translational Medicine*, **2019**, 8, 7	5.7	9
132	Redistribution of EC-SOD resolves bleomycin-induced inflammation increased apoptosis of recruited alveolar macrophages. *FASEB Journal*, **2019**, 33, 13465-13475	0.9	6
131	Aspirin Use and Respiratory Morbidity in COPD: A Propensity Score-Matched Analysis in Subpopulations and Intermediate Outcome Measures in COPD Study. *Chest*, **2019**, 155, 519-527	5.3	11
130	Real-world use of rescue inhaler sensors, electronic symptom questionnaires and physical activity monitors in COPD. *BMJ Open Respiratory Research*, **2019**, 6, e000350	5.6	6
129	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	5.7	20
128	Systemic Markers of Inflammation in Smokers With Symptoms Despite Preserved Spirometry in SPIROMICS. *Chest*, **2019**, 155, 908-917	5.3	9
127	Serum amino acid concentrations and clinical outcomes in smokers: SPIROMICS metabolomics study. *Scientific Reports*, **2019**, 9, 11367	4.9	10
126	Bronchoalveolar Lavage Fluid from COPD Patients Reveals More Compounds Associated with Disease than Matched Plasma. *Metabolites*, **2019**, 9,	5.6	13
125	Clinical Epidemiology of COPD: Insights From 10 Years of the COPDGene Study. *Chest*, **2019**, 156, 228-238	5.3	29
124	Reduced Attention in Former Smokers with and without COPD. *International Journal of Behavioral Medicine*, **2019**, 26, 600-607	2.6	2
123	Subtypes of COPD Have Unique Distributions and Differential Risk of Mortality. *Chronic Obstructive Pulmonary Diseases (Miami, Fla)*, **2019**, 6, 400-413	2.7	13
122	Objectively Measured Chronic Lung Injury on Chest CT. *Chest*, **2019**, 156, 1149-1159	5.3	3
121	Clinical Significance of Bronchodilator Responsiveness Evaluated by Forced Vital Capacity in COPD: SPIROMICS Cohort Analysis. *International Journal of COPD*, **2019**, 14, 2927-2938	3	3

120	Safety and Tolerability of Comprehensive Research Bronchoscopy in Chronic Obstructive Pulmonary Disease. Results from the SPIROMICS Bronchoscopy Substudy. *Annals of the American Thoracic Society*, **2019**, 16, 439-446	4.7	8
119	Efficient Variant Set Mixed Model Association Tests for Continuous and Binary Traits in Large-Scale Whole-Genome Sequencing Studies. *American Journal of Human Genetics*, **2019**, 104, 260-274	11	43
118	Whole genome sequence association with E-selectin levels reveals loss-of-function variant in African Americans. *Human Molecular Genetics*, **2019**, 28, 515-523	5.6	10
117	Association of thrombocytosis with COPD morbidity: the SPIROMICS and COPDGene cohorts. *Respiratory Research*, **2018**, 19, 20	7.3	14
116	Features of COPD as Predictors of Lung Cancer. *Chest*, **2018**, 153, 1326-1335	5.3	38
115	A prototypic small molecule database for bronchoalveolar lavage-based metabolomics. *Scientific Data*, **2018**, 5, 180060	8.2	6
114	Association between acute respiratory disease events and the promoter polymorphism in smokers. *Thorax*, **2018**, 73, 1071-1074	7.3	7
113	Pectoralis muscle area and mortality in smokers without airflow obstruction. *Respiratory Research*, **2018**, 19, 62	7.3	24
112	Lobar Emphysema Distribution Is Associated With 5-Year Radiological Disease Progression. *Chest*, **2018**, 153, 65-76	5.3	23
111	R213G polymorphism in SOD3 protects against bleomycin-induced inflammation and attenuates induction of proinflammatory pathways. *Physiological Genomics*, **2018**, 50, 807-816	3.6	8
110	Redistribution of Extracellular Superoxide Dismutase Causes Neonatal Pulmonary Vascular Remodeling and PH but Protects Against Experimental Bronchopulmonary Dysplasia. *Antioxidants*, **2018**, 7,	7.1	8
109	Interstitial Features at Chest CT Enhance the Deleterious Effects of Emphysema in the COPDGene Cohort. *Radiology*, **2018**, 288, 600-609	20.5	22
108	NT-proBNP in stable COPD and future exacerbation risk: Analysis of the SPIROMICS cohort. *Respiratory Medicine*, **2018**, 140, 87-93	4.6	9
107	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	2.7	2
106	Systemic Markers of Adaptive and Innate Immunity Are Associated with Chronic Obstructive Pulmonary Disease Severity and Spirometric Disease Progression. *American Journal of Respiratory Cell and Molecular Biology*, **2018**, 58, 500-509	5.7	21
105	A Bayesian Approach for Learning Gene Networks Underlying Disease Severity in COPD. *Statistics in Biosciences*, **2018**, 10, 59-85	1.5	6
104	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	2.1	4
103	Metabolomics and transcriptomics pathway approach reveals outcome-specific perturbations in COPD. *Scientific Reports*, **2018**, 8, 17132	4.9	36

102	Impact of Blood Collection Tubes and Sample Handling Time on Serum and Plasma Metabolome and Lipidome. *Metabolites*, **2018**, 8,	5.6	21
101	Significance of Low-Attenuation Cluster Analysis on Quantitative CT in the Evaluation of Chronic Obstructive Pulmonary Disease. *Korean Journal of Radiology*, **2018**, 19, 139-146	6.9	8
100	Response. *Chest*, **2018**, 154, 721	5.3	
99	CT-based Visual Classification of Emphysema: Association with Mortality in the COPDGene Study. *Radiology*, **2018**, 288, 859-866	20.5	80
98	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	4.7	21
97	Do COPD subtypes really exist? COPD heterogeneity and clustering in 10 independent cohorts. *Thorax*, **2017**, 72, 998-1006	7.3	40
96	Lung Mass in Smokers. *Academic Radiology*, **2017**, 24, 386-392	4.3	10
95	Handgrip Strength in Chronic Obstructive Pulmonary Disease. Associations with Acute Exacerbations and Body Composition. *Annals of the American Thoracic Society*, **2017**, 14, 1638-1645	4.7	31
94	Muscle-derived extracellular superoxide dismutase inhibits endothelial activation and protects against multiple organ dysfunction syndrome in mice. *Free Radical Biology and Medicine*, **2017**, 113, 212-223	7.8	14
93	Gene and metabolite time-course response to cigarette smoking in mouse lung and plasma. *PLoS ONE*, **2017**, 12, e0178281	3.7	15
92	Meta-analysis of peripheral blood gene expression modules for COPD phenotypes. *PLoS ONE*, **2017**, 12, e0185682	3.7	10
91	The value of blood cytokines and chemokines in assessing COPD. *Respiratory Research*, **2017**, 18, 180	7.3	62
90	Acute Exacerbations and Lung Function Loss in Smokers with and without Chronic Obstructive Pulmonary Disease. *American Journal of Respiratory and Critical Care Medicine*, **2017**, 195, 324-330	10.2	140
89	Electronic Cigarette Use in US Adults at Risk for or with COPD: Analysis from Two Observational Cohorts. *Journal of General Internal Medicine*, **2017**, 32, 1315-1322	4	48
88	Metabolomic similarities between bronchoalveolar lavage fluid and plasma in humans and mice. *Scientific Reports*, **2017**, 7, 5108	4.9	13
87	New Strategies and Challenges in Lung Proteomics and Metabolomics. An Official American Thoracic Society Workshop Report. *Annals of the American Thoracic Society*, **2017**, 14, 1721-1743	4.7	26
86	Biomarkers of extracellular matrix turnover are associated with emphysema and eosinophilic-bronchitis in COPD. *Respiratory Research*, **2017**, 18, 22	7.3	45
85	Multiple biomarkers predict disease severity, progression and mortality in COPD. *Respiratory Research*, **2017**, 18, 117	7.3	66

84	Superoxide Dismutase 3 R213G Single-Nucleotide Polymorphism Blocks Murine Bleomycin-Induced Fibrosis and Promotes Resolution of Inflammation. *American Journal of Respiratory Cell and Molecular Biology*, **2017**, 56, 362-371	5.7	28
83	Biomarkers Predictive of Exacerbations in the SPIROMICS and COPDGene Cohorts. *American Journal of Respiratory and Critical Care Medicine*, **2017**, 195, 473-481	10.2	73
82	Genome-Wide Association Study of the Genetic Determinants of Emphysema Distribution. *American Journal of Respiratory and Critical Care Medicine*, **2017**, 195, 757-771	10.2	33
81	The R213G polymorphism in SOD3 protects against allergic airway inflammation. *JCI Insight*, **2017**, 2,	9.9	18
80	Post-GWAS Prioritization Through Data Integration Provides Novel Insights on Chronic Obstructive Pulmonary Disease. *Statistics in Biosciences*, **2016**, 2016, 1-17	1.5	2
79	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. *European Journal of Radiology*, **2016**, 85, 2144-2151	4.7	46
78	Risk factors for COPD exacerbations in inhaled medication users: the COPDGene study biannual longitudinal follow-up prospective cohort. *BMC Pulmonary Medicine*, **2016**, 16, 28	3.5	13
77	Association between Functional Small Airway Disease and FEV1 Decline in Chronic Obstructive Pulmonary Disease. *American Journal of Respiratory and Critical Care Medicine*, **2016**, 194, 178-84	10.2	194
76	The discordant method: a novel approach for differential correlation. *Bioinformatics*, **2016**, 32, 690-6	7.2	21
75	Common Genetic Polymorphisms Influence Blood Biomarker Measurements in COPD. *PLoS Genetics* , **2016**, 12, e1006011	6	64
74	Histone deacetylation contributes to low extracellular superoxide dismutase expression in human idiopathic pulmonary arterial hypertension. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2016**, 311, L124-34	5.8	31
73	Cigarette Smoke Induces Human Epidermal Receptor 2-Dependent Changes in Epithelial Permeability. *American Journal of Respiratory Cell and Molecular Biology*, **2016**, 54, 853-64	5.7	13
72	DJ-1 Modulates Nuclear Erythroid 2-Related Factor-2-Mediated Protection in Human Primary Alveolar Type II Cells in Smokers. *American Journal of Respiratory Cell and Molecular Biology*, **2016**, 55, 439-49	5.7	23
71	Circulating soluble receptor for advanced glycation end products (sRAGE) as a biomarker of emphysema and the RAGE axis in the lung. *American Journal of Respiratory and Critical Care Medicine*, **2015**, 192, 785-92	10.2	70
70	Relationships between diffusing capacity for carbon monoxide (DLCO), and quantitative computed tomography measurements and visual assessment for chronic obstructive pulmonary disease. *European Journal of Radiology*, **2015**, 84, 980-5	4.7	29
69	Right ventricular diastolic function and exercise capacity in COPD. *Respiratory Medicine*, **2015**, 109, 1287-98	4.8	15
68	Significance of Medication History at the Time of Entry into the COPDGene Study: Relationship with Exacerbation and CT Metrics. *COPD: Journal of Chronic Obstructive Pulmonary Disease*, **2015**, 12, 366-73	2	4
67	Plasma sphingolipids associated with chronic obstructive pulmonary disease phenotypes. *American Journal of Respiratory and Critical Care Medicine*, **2015**, 191, 275-84	10.2	88

66	Menthol cigarette smoking in the COPDGene cohort: relationship with COPD, comorbidities and CT metrics. *Respirology*, **2015**, 20, 108-14	3.6	14
65	The beneficial effects of exercise on cartilage are lost in mice with reduced levels of ECSOD in tissues. *Journal of Applied Physiology*, **2015**, 118, 760-7	3.7	9
64	Smoking-Associated Site-Specific Differential Methylation in Buccal Mucosa in the COPDGene Study. *American Journal of Respiratory Cell and Molecular Biology*, **2015**, 53, 246-54	5.7	41
63	Abdominal Visceral Adipose Tissue is Associated with Myocardial Infarction in Patients with COPD. *Chronic Obstructive Pulmonary Diseases (Miami, Fla)*, **2015**, 2, 8-16	2.7	20
62	CD4+ T-Cell Profiles and Peripheral Blood Ex-Vivo Responses to T-Cell Directed Stimulation Delineate COPD Phenotypes. *Chronic Obstructive Pulmonary Diseases (Miami, Fla)*, **2015**, 2, 268-280	2.7	9
61	The cellular distribution of extracellular superoxide dismutase in macrophages is altered by cellular activation but unaffected by the naturally occurring R213G substitution. *Free Radical Biology and Medicine*, **2014**, 69, 348-56	7.8	20
60	Analysis of the plasma proteome in COPD: Novel low abundance proteins reflect the severity of lung remodeling. *COPD: Journal of Chronic Obstructive Pulmonary Disease*, **2014**, 11, 177-89	2	30
59	A common polymorphism in extracellular superoxide dismutase affects cardiopulmonary disease risk by altering protein distribution. *Circulation: Cardiovascular Genetics*, **2014**, 7, 659-66		29
58	Prediction of acute respiratory disease in current and former smokers with and without COPD. *Chest*, **2014**, 146, 941-950	5.3	61
57	MSPrep--summarization, normalization and diagnostics for processing of mass spectrometry-based metabolomic data. *Bioinformatics*, **2014**, 30, 133-4	7.2	41
56	Transient and persistent metabolomic changes in plasma following chronic cigarette smoke exposure in a mouse model. *PLoS ONE*, **2014**, 9, e101855	3.7	30
55	The association of plasma biomarkers with computed tomography-assessed emphysema phenotypes. *Respiratory Research*, **2014**, 15, 127	7.3	48
54	The multiMiR R package and database: integration of microRNA-target interactions along with their disease and drug associations. *Nucleic Acids Research*, **2014**, 42, e133	20.1	192
53	Circulating hematopoietic progenitor cells are decreased in COPD. *COPD: Journal of Chronic Obstructive Pulmonary Disease*, **2014**, 11, 277-89	2	18
52	Comorbidities of COPD have a major impact on clinical outcomes, particularly in African Americans. *Chronic Obstructive Pulmonary Diseases (Miami, Fla)*, **2014**, 1, 105-114	2.7	32
51	Integrative omics approach identifies interleukin-16 as a biomarker of emphysema. *OMICS A Journal of Integrative Biology*, **2013**, 17, 619-26	3.8	25
50	GOLD 2011 disease severity classification in COPDGene: a prospective cohort study. *Lancet Respiratory Medicine,the*, **2013**, 1, 43-50	35.1	171
49	Peripheral blood mononuclear cell gene expression in chronic obstructive pulmonary disease. *American Journal of Respiratory Cell and Molecular Biology*, **2013**, 49, 316-23	5.7	77

48	The association of adiponectin with computed tomography phenotypes in chronic obstructive pulmonary disease. *American Journal of Respiratory and Critical Care Medicine*, **2013**, 188, 561-6	10.2	37
47	Superoxide dismutase mimetic, MnTE-2-PyP, attenuates chronic hypoxia-induced pulmonary hypertension, pulmonary vascular remodeling, and activation of the NALP3 inflammasome. *Antioxidants and Redox Signaling*, **2013**, 18, 1753-64	8.4	61
46	Cigarette smoke decreases airway epithelial FABP5 expression and promotes Pseudomonas aeruginosa infection. *PLoS ONE*, **2013**, 8, e51784	3.7	29
45	Surfactant protein D as a biomarker for chronic obstructive pulmonary disease. *COPD: Journal of Chronic Obstructive Pulmonary Disease*, **2012**, 9, 651-3	2	18
44	Automated telecommunication to obtain longitudinal follow-up in a multicenter cross-sectional COPD study. *COPD: Journal of Chronic Obstructive Pulmonary Disease*, **2012**, 9, 466-72	2	39
43	Pulmonary arterial enlargement and acute exacerbations of COPD. *New England Journal of Medicine*, **2012**, 367, 913-21	59.2	316
42	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, 151-9	2	114
41	Smoking and COPD increase sputum levels of extracellular superoxide dismutase. *Free Radical Biology and Medicine*, **2011**, 51, 726-32	7.8	25
40	Gender differences of airway dimensions in anatomically matched sites on CT in smokers. *COPD: Journal of Chronic Obstructive Pulmonary Disease*, **2011**, 8, 285-92	2	27
39	Chronic obstructive pulmonary disease exacerbations in the COPDGene study: associated radiologic phenotypes. *Radiology*, **2011**, 261, 274-82	20.5	300
38	Plasma antioxidants are associated with impaired lung function and COPD exacerbations in smokers. *COPD: Journal of Chronic Obstructive Pulmonary Disease*, **2011**, 8, 264-9	2	42
37	Endogenous enzymes (NOX and ECSOD) regulate smoke-induced oxidative stress. *Free Radical Biology and Medicine*, **2010**, 49, 1937-46	7.8	35
36	Family factors are associated with psychological distress and smoking status in chronic obstructive pulmonary disease. *General Hospital Psychiatry*, **2010**, 32, 492-8	5.6	9
35	Smoking reduces surfactant protein D and phospholipids in patients with and without chronic obstructive pulmonary disease. *BMC Pulmonary Medicine*, **2010**, 10, 53	3.5	49
34	Extracellular superoxide dismutase haplotypes are associated with acute lung injury and mortality. *American Journal of Respiratory and Critical Care Medicine*, **2009**, 179, 105-12	10.2	51
33	Cigarette smoke impairs clearance of apoptotic cells through oxidant-dependent activation of RhoA. *American Journal of Respiratory and Critical Care Medicine*, **2009**, 179, 1011-21	10.2	124
32	Alterations in the human lung proteome with lipopolysaccharide. *BMC Pulmonary Medicine*, **2009**, 9, 20	3.5	7
31	Family relationship quality is associated with psychological distress, dyspnea, and quality of life in COPD. *COPD: Journal of Chronic Obstructive Pulmonary Disease*, **2009**, 6, 359-68	2	16

30	Proteomics methods and applications for the practicing clinician. *Annals of Allergy, Asthma and Immunology*, **2009**, 102, 523-9	3.2	4
29	Superoxide dismutase 3 polymorphism associated with reduced lung function in two large populations. *American Journal of Respiratory and Critical Care Medicine*, **2008**, 178, 906-12	10.2	81
28	Dose-effect relationships between manganese exposure and neurological, neuropsychological and pulmonary function in confined space bridge welders. *Occupational and Environmental Medicine*, **2007**, 64, 167-77	2.1	188
27	Sequelae of fume exposure in confined space welding: a neurological and neuropsychological case series. *NeuroToxicology*, **2007**, 28, 298-311	4.4	102
26	Phenotypes of chronic obstructive pulmonary disease. *COPD: Journal of Chronic Obstructive Pulmonary Disease*, **2007**, 4, 355-84	2	93
25	Induction of antioxidant gene expression in a mouse model of ischemic cardiomyopathy is dependent on reactive oxygen species. *Free Radical Biology and Medicine*, **2006**, 40, 2223-31	7.8	52
24	Lovastatin enhances clearance of apoptotic cells (efferocytosis) with implications for chronic obstructive pulmonary disease. *Journal of Immunology*, **2006**, 176, 7657-65	5.3	175
23	Surface enhanced laser desorption/ionization (SELDI) time-of-flight mass spectrometry to identify patients with chronic obstructive pulmonary disease. *COPD: Journal of Chronic Obstructive Pulmonary Disease*, **2006**, 3, 41-50	2	12
22	N-acetylcysteine and exacerbations of chronic obstructive pulmonary disease. *COPD: Journal of Chronic Obstructive Pulmonary Disease*, **2006**, 3, 195-202	2	37
21	Targeting vascular injury using Hantavirus-pseudotyped lentiviral vectors. *Molecular Therapy*, **2006**, 13, 694-704	11.7	32
20	Proteomics in pulmonary medicine. *Chest*, **2006**, 130, 567-74	5.3	57
19	Extracellular superoxide dismutase and oxidant damage in osteoarthritis. *Arthritis and Rheumatism*, **2005**, 52, 3479-91		112
18	Extracellular superoxide dismutase attenuates lipopolysaccharide-induced neutrophilic inflammation. *American Journal of Respiratory Cell and Molecular Biology*, **2004**, 31, 432-9	5.7	84
17	Extracellular superoxide dismutase (EC-SOD) binds to type i collagen and protects against oxidative fragmentation. *Journal of Biological Chemistry*, **2004**, 279, 13705-10	5.4	138
16	Oxidative stress in the pathogenesis of asthma. *Current Allergy and Asthma Reports*, **2004**, 4, 116-22	5.6	64
15	Lung inflation with direct injection of agarose: a technique for simultaneous molecular and morphometric measurements. *Experimental Lung Research*, **2004**, 30, 673-86	2.3	1
14	Physiologic correlates of distal lung inflammation in asthma. *Journal of Allergy and Clinical Immunology*, **2004**, 113, 1046-50	11.5	98
13	The role of oxidative stress in chronic obstructive pulmonary disease. *COPD: Journal of Chronic Obstructive Pulmonary Disease*, **2004**, 1, 255-77	2	101

12	Airway antioxidants and oxidative stress as predictors of sputum atypia and airflow obstruction. *Chest*, **2004**, 125, 127S-8S	5.3	
11	Proteomic analysis of pulmonary edema fluid and plasma in patients with acute lung injury. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2004**, 286, L1095-104	5.8	73
10	Interaction among nitric oxide, reactive oxygen species, and antioxidants during endotoxemia-related acute renal failure. *American Journal of Physiology - Renal Physiology*, **2003**, 284, F532-7	4.3	121
9	Pulmonary edema fluid antioxidants are depressed in acute lung injury. *Critical Care Medicine*, **2003**, 31, 2309-15	1.4	65
8	Evidence for extracellular superoxide dismutase as a mediator of hemorrhage-induced lung injury. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2003**, 284, L680-7	5.8	35
7	Effects of metalloporphyrin catalytic antioxidants in experimental brain ischemia. *Free Radical Biology and Medicine*, **2002**, 33, 947-61	7.8	88
6	A catalytic antioxidant (AEOL 10150) attenuates expression of inflammatory genes in stroke. *Free Radical Biology and Medicine*, **2002**, 33, 1141-52	7.8	48
5	Oxidative stress in airways: is there a role for extracellular superoxide dismutase?. *American Journal of Respiratory and Critical Care Medicine*, **2002**, 166, S38-43	10.2	117
4	Furin proteolytically processes the heparin-binding region of extracellular superoxide dismutase. *Journal of Biological Chemistry*, **2002**, 277, 16505-11	5.4	54
3	Role of extracellular superoxide dismutase in bleomycin-induced pulmonary fibrosis. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2002**, 282, L719-26	5.8	107
2	Oxidative stress in allergic respiratory diseases. *Journal of Allergy and Clinical Immunology*, **2002**, 110, 349-56	11.5	318
1	Extracellular superoxide dismutase overexpression improves behavioral outcome from closed head injury in the mouse. *Journal of Neurotrauma*, **2001**, 18, 625-34	5.4	46