Edwin K Silverman

List of Publications by Year
in descending order

324 papers	30,182 citations	4370 86 h-index	6282 158 g-index
343 all docs	343 docs citations	343 times ranked	25904 citing authors

#	Article	IF	Citations
1	An Integrative Genomic Strategy Identifies sRAGE as a Causal and Protective Biomarker of Lung Function. Chest, 2022, 161, 76-84.	0.4	5
2	10-Year Follow-Up of Lung Function, Respiratory Symptoms, and Functional Capacity in the COPDGene Study. Annals of the American Thoracic Society, 2022, 19, 381-388.	1.5	8
3	Significant Spirometric Transitions and Preserved Ratio Impaired Spirometry Among Ever Smokers. Chest, 2022, 161, 651-661.	0.4	33
4	Interstitial Lung Abnormalities, Emphysema, and Spirometry in Smokers. Chest, 2022, 161, 999-1010.	0.4	8
5	Development of a Blood-based Transcriptional Risk Score for Chronic Obstructive Pulmonary Disease. American Journal of Respiratory and Critical Care Medicine, 2022, 205, 161-170.	2.5	15
6	Alpha-1 Antitrypsin MZ Heterozygosity Is an Endotype of Chronic Obstructive Pulmonary Disease. American Journal of Respiratory and Critical Care Medicine, 2022, 205, 313-323.	2.5	21
7	A Smoothed Version of the Lassosum Penalty for Fitting Integrated Risk Models Using Summary Statistics or Individual-Level Data. Genes, 2022, 13, 112.	1.0	1
8	Genetic determinants of telomere length from 109,122 ancestrally diverse whole-genome sequences in TOPMed. Cell Genomics, 2022, 2, 100084.	3.0	29
9	Optimism is associated with respiratory symptoms and functional status in chronic obstructive pulmonary disease. Respiratory Research, 2022, 23, 19.	1.4	1
10	Interstitial lung abnormalities are associated with decreased mean telomere length. European Respiratory Journal, 2022, 60, 2101814.	3.1	8
11	Protein interaction networks provide insight into fetal origins of chronic obstructive pulmonary disease. Respiratory Research, 2022, 23, 69.	1.4	7
12	Polygenic transcriptome risk scores for COPD and lung function improve cross-ethnic portability of prediction in the NHLBI TOPMed program. American Journal of Human Genetics, 2022, 109, 857-870.	2.6	7
13	Mendelian randomization supports bidirectional causality between telomere length and clonal hematopoiesis of indeterminate potential. Science Advances, 2022, 8, eabl6579.	4.7	36
14	The Proteomic Profile of Interstitial Lung Abnormalities. American Journal of Respiratory and Critical Care Medicine, 2022, 206, 337-346.	2.5	7
15	Lung tissue shows divergent gene expression between chronic obstructive pulmonary disease and idiopathic pulmonary fibrosis. Respiratory Research, 2022, 23, 97.	1.4	7
16	Genetics of chronic obstructive pulmonary disease: understanding the pathobiology and heterogeneity of a complex disorder. Lancet Respiratory Medicine,the, 2022, 10, 485-496.	5.2	42
17	Covariate adjustment of spirometric and smoking phenotypes: The potential of neural network models. PLoS ONE, 2022, 17, e0266752.	1.1	0
18	The Value of Rare Genetic Variation in the Prediction of Common Obesity in European Ancestry Populations. Frontiers in Endocrinology, 2022, 13, 863893.	1.5	7

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19	Traction Bronchiectasis/Bronchiolectasis on CT Scans in Relationship to Clinical Outcomes and Mortality: The COPDGene Study. Radiology, 2022, 304, 694-701.	3.6	13
20	CRISPR interference interrogation of COPD GWAS genes reveals the functional significance of desmoplakin in iPSC-derived alveolar epithelial cells. Science Advances, 2022, 8, .	4.7	6
21	Heritability Analyses Uncover Shared Genetic Effects of Lung Function and Change over Time. Genes, 2022, 13, 1261.	1.0	0
22	Epigenetics and pulmonary diseases in the horizon of precision medicine: a review. European Respiratory Journal, 2021, 57, 2003406.	3.1	50
23	locStra: Fast analysis of regional/global stratification in wholeâ€genome sequencingÂstudies. Genetic Epidemiology, 2021, 45, 82-98.	0.6	8
24	Genome-Wide Gene-by-Smoking Interaction Study of Chronic Obstructive Pulmonary Disease. American Journal of Epidemiology, 2021, 190, 875-885.	1.6	21
25	Sex-specific associations with DNA methylation in lung tissue demonstrate smoking interactions. Epigenetics, 2021, 16, 692-703.	1.3	20
26	DNA methylation perturbations may link altered development and aging in the lung. Aging, 2021, 13, 1742-1764.	1.4	6
27	Sequencing of 53,831 diverse genomes from the NHLBI TOPMed Program. Nature, 2021, 590, 290-299.	13.7	1,069
28	Clinical epigenetics settings for cancer and cardiovascular diseases: real-life applications of network medicine at the bedside. Clinical Epigenetics, 2021, 13, 66.	1.8	36
29	Soluble receptor for advanced glycation end products (sRAGE) as a biomarker of COPD. Respiratory Research, 2021, 22, 127.	1.4	26
30	A fast and efficient smoothing approach to Lasso regression and an application in statistical genetics: polygenic risk scores for chronic obstructive pulmonary disease (COPD). Statistics and Computing, 2021, 31, 1.	0.8	3
31	Heterozygosity of the Alpha 1â€Antitrypsin Pi*Z Allele and Risk of Liver Disease. Hepatology Communications, 2021, 5, 1348-1361.	2.0	15
32	Identification of putative causal loci in whole-genome sequencing data via knockoff statistics. Nature Communications, 2021, 12, 3152.	5.8	17
33	Connecting COPD GWAS Genes: FAM13A Controls TGFÎ²2 Secretion by Modulating AP-3 Transport. American Journal of Respiratory Cell and Molecular Biology, 2021, 65, 532-543.	1.4	4
34	Genomeâ€wide association analysis of COVIDâ€19 mortality risk in SARSâ€CoVâ€2 genomes identifies mutation in the SARSâ€CoVâ€2 spike protein that colocalizes with P.1 of the Brazilian strain. Genetic Epidemiology, 2021, 45, 685-693.	0.6	14
35	Secondary polycythemia in chronic obstructive pulmonary disease: prevalence and risk factors. BMC Pulmonary Medicine, 2021, 21, 235.	0.8	22
36	A systematic analysis of protein-altering exonic variants in chronic obstructive pulmonary disease. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2021, 321, L130-L143.	1.3	11

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37	Genetic Variation in the Mitochondrial Glycerolâ€3â€Phosphate Acyltransferase Is Associated With Liver Injury. Hepatology, 2021, 74, 3394-3408.	3.6	9
38	Chromatin Landscapes of Human Lung Cells Predict Potentially Functional Chronic Obstructive Pulmonary Disease Genome-Wide Association Study Variants. American Journal of Respiratory Cell and Molecular Biology, 2021, 65, 92-102.	1.4	7
39	Pulmonary Artery Enlargement Is Associated with Exacerbations and Mortality in Ever-Smokers with Preserved Ratio Impaired Spirometry. American Journal of Respiratory and Critical Care Medicine, 2021, 204, 481-485.	2.5	5
40	Population sequencing data reveal a compendium of mutational processes in the human germ line. Science, 2021, 373, 1030-1035.	6.0	43
41	Hedgehog interacting proteinâ€“expressing lung fibroblasts suppress lymphocytic inflammation in mice. JCI Insight, 2021, 6, .	2.3	9
42	Genetic variation in genes regulating skeletal muscle regeneration and tissue remodelling associated with weight loss in chronic obstructive pulmonary disease. Journal of Cachexia, Sarcopenia and Muscle, 2021, 12, 1803-1817.	2.9	11
43	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.	1.4	3
44	Markers of disease activity in COPD: an 8-year mortality study in the ECLIPSE cohort. European Respiratory Journal, 2021, 57, 2001339.	3.1	26
45	Lung proteomic biomarkers associated with chronic obstructive pulmonary disease. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2021, 321, L1119-L1130.	1.3	14
46	Improved prediction of smoking status via isoform-aware RNA-seq deep learning models. PLoS Computational Biology, 2021, 17, e1009433.	1.5	7
47	Powerful gene-based testing by integrating long-range chromatin interactions and knockoff genotypes. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	5
48	Alternative poly-adenylation modulates Î±1-antitrypsin expression in chronic obstructive pulmonary disease. PLoS Genetics, 2021, 17, e1009912.	1.5	3
49	Interaction of Cigarette Smoking and Polygenic Risk Score on Reduced Lung Function. JAMA Network Open, 2021, 4, e2139525.	2.8	22
50	Diffuse Idiopathic Skeletal Hyperostosis in Smokers and Restrictive Spirometry Pattern: An Analysis of the COPDGene Cohort. Journal of Rheumatology, 2020, 47, 531-538.	1.0	6
51	Subtyping COPD by Using Visual and Quantitative CT Imaging Features. Chest, 2020, 157, 47-60.	0.4	60
52	Genetics of COPD. Annual Review of Physiology, 2020, 82, 413-431.	5.6	104
53	Machine Learning Characterization of COPD Subtypes. Chest, 2020, 157, 1147-1157.	0.4	44
54	A flexible and nearly optimal sequential testing approach to randomized testing: QUICKâ€STOP. Genetic Epidemiology, 2020, 44, 139-147.	0.6	4

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55	Deep Learning Enables Automatic Classification of Emphysema Pattern at CT. Radiology, 2020, 294, 434-444.	3.6	89
56	Whole genome sequence analysis of pulmonary function and COPD in 19,996 multi-ethnic participants. Nature Communications, 2020, 11, 5182.	5.8	32
57	Inherited causes of clonal haematopoiesis in 97,691 whole genomes. Nature, 2020, 586, 763-768.	13.7	376
58	ADAM15 expression is increased in lung CD8+ T cells, macrophages, and bronchial epithelial cells in patients with COPD and is inversely related to airflow obstruction. Respiratory Research, 2020, 21, 188.	1.4	11
59	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.	5.2	69
60	Somatotypes trajectories during adulthood and their association with COPD phenotypes. ERJ Open Research, 2020, 6, 00122-2020.	1.1	8
61	Heme metabolism genes Downregulated in COPD Cachexia. Respiratory Research, 2020, 21, 100.	1.4	4
62	Validation of a method to assess emphysema severity by spirometry in the COPDGene study. Respiratory Research, 2020, 21, 103.	1.4	4
63	Machine Learning and Prediction of All-Cause Mortality in COPD. Chest, 2020, 158, 952-964.	0.4	62
64	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.	1.6	24
65	Integrated transcriptomic correlation network analysis identifies COPD molecular determinants. Scientific Reports, 2020, 10, 3361.	1.6	35
66	Pulmonary artery enlargement and mortality risk in moderate to severe COPD: results from COPDGene. European Respiratory Journal, 2020, 55, 1901812.	3.1	15
67	Luminal Plugging on Chest CT Scan. Chest, 2020, 158, 121-130.	0.4	27
68	A Between Ethnicities Comparison of Chronic Obstructive Pulmonary Disease Genetic Risk. Frontiers in Genetics, 2020, 11, 329.	1.1	12
69	The Network Medicine Imperative and the Need for an International Network Medicine Consortium. American Journal of Medicine, 2020, 133, e451-e454.	0.6	11
70	Molecular networks in Network Medicine: Development and applications. Wiley Interdisciplinary Reviews: Systems Biology and Medicine, 2020, 12, e1489.	6.6	128
71	Discovering the genes mediating the interactions between chronic respiratory diseases in the human interactome. Nature Communications, 2020, 11, 811.	5.8	25
72	Relative contributions of family history and a polygenic risk score on COPD and related outcomes: COPDGene and ECLIPSE studies. BMJ Open Respiratory Research, 2020, 7, e000755.	1.2	14

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73	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.	3.6	52
74	The Association of Multiparity with Lung Function and Chronic Obstructive Pulmonary Disease-Related Phenotypes. Chronic Obstructive Pulmonary Diseases (Miami, Fla), 2020, 7, 86-98.	0.5	7
75	A Risk Prediction Model for Mortality Among Smokers in the COPDGeneÂ® Study. Chronic Obstructive Pulmonary Diseases (Miami, Fla), 2020, 7, 346-361.	0.5	9
76	Letter to the Editor: Response by Authors. Chronic Obstructive Pulmonary Diseases (Miami, Fla), 2020, 7, 82-85.	0.5	0
77	Identification of Functional Variants in the FAM13A Chronic Obstructive Pulmonary Disease Genome-Wide Association Study Locus by Massively Parallel Reporter Assays. American Journal of Respiratory and Critical Care Medicine, 2019, 199, 52-61.	2.5	38
78	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.	1.4	7
79	Overlap of Genetic Risk between Interstitial Lung Abnormalities and Idiopathic Pulmonary Fibrosis. American Journal of Respiratory and Critical Care Medicine, 2019, 200, 1402-1413.	2.5	77
80	DSP variants may be associated with longitudinal change in quantitative emphysema. Respiratory Research, 2019, 20, 160.	1.4	7
81	Analysis of genetically driven alternative splicing identifies FBXO38 as a novel COPD susceptibility gene. PLoS Genetics, 2019, 15, e1008229.	1.5	17
82	Clinical Epidemiology of COPD. Chest, 2019, 156, 228-238.	0.4	53
83	Sequencing Analysis at 8p23 Identifies Multiple Rare Variants in DLC1 Associated with Sleep-Related Oxyhemoglobin Saturation Level. American Journal of Human Genetics, 2019, 105, 1057-1068.	2.6	10
84	Genome-Wide Association Analysis of Single-Breath D<scp>l</scp>_{CO}. American Journal of Respiratory Cell and Molecular Biology, 2019, 60, 523-531.	1.4	8
85	Itâ€™s more than low BMI: prevalence of cachexia and associated mortality in COPD. Respiratory Research, 2019, 20, 100.	1.4	66
86	Subjects with diffuse idiopathic skeletal hyperostosis have an increased burden of coronary artery disease: An evaluation in the COPDGene cohort. Atherosclerosis, 2019, 287, 24-29.	0.4	17
87	Turning subtypes into disease axes to improve prediction of COPD progression. Thorax, 2019, 74, 906-909.	2.7	3
88	The St. Georgeâ€™s Respiratory Questionnaire Definition of Chronic Bronchitis May Be aÂBetter Predictor of COPD Exacerbations Compared With the Classic Definition. Chest, 2019, 156, 685-695.	0.4	40
89	Resequencing Study Confirms That Host Defense and Cell Senescence Gene Variants Contribute to the Risk of Idiopathic Pulmonary Fibrosis. American Journal of Respiratory and Critical Care Medicine, 2019, 200, 199-208.	2.5	90
90	Reported environmental exposures are inversely associated with obtaining a genetic diagnosis in the Undiagnosed Diseases Network. American Journal of Medical Genetics, Part A, 2019, 179, 958-965.	0.7	5

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91	Reply to Marruchella: Preserved Ratio Impaired Spirometry and Interstitial Lung Abnormalities in Smokers. American Journal of Respiratory and Critical Care Medicine, 2019, 199, 1293-1294.	2.5	1
92	Genetic Advances in Chronic Obstructive Pulmonary Disease. Insights from COPDGene. American Journal of Respiratory and Critical Care Medicine, 2019, 200, 677-690.	2.5	66
93	Exploring the cross-phenotype network region of disease modules reveals concordant and discordant pathways between chronic obstructive pulmonary disease and idiopathic pulmonary fibrosis. Human Molecular Genetics, 2019, 28, 2352-2364.	1.4	19
94	RNA-sequencing across three matched tissues reveals shared and tissue-specific gene expression and pathway signatures of COPD. Respiratory Research, 2019, 20, 65.	1.4	43
95	Assessing pleiotropy and mediation in genetic loci associated with chronic obstructive pulmonary disease. Genetic Epidemiology, 2019, 43, 318-329.	0.6	5
96	New genetic signals for lung function highlight pathways and chronic obstructive pulmonary disease associations across multiple ancestries. Nature Genetics, 2019, 51, 481-493.	9.4	350
97	Genetic landscape of chronic obstructive pulmonary disease identifies heterogeneous cell-type and phenotype associations. Nature Genetics, 2019, 51, 494-505.	9.4	257
98	Use of >100,000 NHLBI Trans-Omics for Precision Medicine (TOPMed) Consortium whole genome sequences improves imputation quality and detection of rare variant associations in admixed African and Hispanic/Latino populations. PLoS Genetics, 2019, 15, e1008500.	1.5	203
99	GWAS and systems biology analysis of depressive symptoms among smokers from the COPDGene cohort. Journal of Affective Disorders, 2019, 243, 16-22.	2.0	11
100	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.	2.6	103
101	Do sputum or circulating blood samples reflect the pulmonary transcriptomic differences of COPD patients? A multi-tissue transcriptomic network META-analysis. Respiratory Research, 2019, 20, 5.	1.4	9
102	Genetics and epidemiology of AATD. , 2019, , 27-38.		5
103	Mortality and Exacerbations by Global Initiative for Chronic Obstructive Lung Disease Groups ABCD: 2011 Versus 2017 in the COPDGeneÂ® Cohort. Chronic Obstructive Pulmonary Diseases (Miami, Fla), 2019, 6, 64-73.	0.5	26
104	COPDGeneÂ® 2019: Redefining the Diagnosis of Chronic Obstructive Pulmonary Disease. Chronic Obstructive Pulmonary Diseases (Miami, Fla), 2019, 6, 384-399.	0.5	112
105	Subtypes of COPD Have Unique Distributions and Differential Risk of Mortality. Chronic Obstructive Pulmonary Diseases (Miami, Fla), 2019, 6, 400-413.	0.5	24
106	Pulmonary Subtypes Exhibit Differential Global Initiative for Chronic Obstructive Lung Disease Spirometry Stage Progression: The COPDGeneÂ® Study. Chronic Obstructive Pulmonary Diseases (Miami,) Tj ETQq0 0 0 rgBT /Overlock	0.5	29
107	Identification of an emphysema-associated genetic variant near TGFB2 with regulatory effects in lung fibroblasts. ELife, 2019, 8, .	2.8	21
108	Functional Assays to Screen and Dissect Genomic Hits. Circulation Genomic and Precision Medicine, 2018, 11, e002178.	1.6	18

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109	Asthma Is a Risk Factor for Respiratory Exacerbations Without Increased Rate of Lung Function Decline. Chest, 2018, 153, 368-377.	0.4	14
110	Human Lung DNA Methylation Quantitative Trait Loci Colocalize with Chronic Obstructive Pulmonary Disease Genome-Wide Association Loci. American Journal of Respiratory and Critical Care Medicine, 2018, 197, 1275-1284.	2.5	56
111	Pectoralis muscle area and mortality in smokers without airflow obstruction. Respiratory Research, 2018, 19, 62.	1.4	41
112	Blood eosinophil count thresholds and exacerbations in patients with chronic obstructive pulmonary disease. Journal of Allergy and Clinical Immunology, 2018, 141, 2037-2047.e10.	1.5	138
113	Disease Severity Dependence of the Longitudinal Association Between CT Lung Density and Lung Function in Smokers. Chest, 2018, 153, 638-645.	0.4	16
114	Lobar Emphysema Distribution Is Associated With 5-Year Radiological Disease Progression. Chest, 2018, 153, 65-76.	0.4	36
115	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.	1.4	34
116	Applying Functional Genomics to Chronic Obstructive Pulmonary Disease. Annals of the American Thoracic Society, 2018, 15, S239-S242.	1.5	10
117	Expert Panel Discusses the Importance of Systems Medicine. Systems Medicine (New Rochelle, N Y), 2018, 1, 3-8.	1.4	1
118	Association Between Titin Loss-of-Function Variants and Early-Onset Atrial Fibrillation. JAMA - Journal of the American Medical Association, 2018, 320, 2354.	3.8	144
119	Integration of Molecular Interactome and Targeted Interaction Analysis to Identify a COPD Disease Network Module. Scientific Reports, 2018, 8, 14439.	1.6	40
120	Genomics and response to long-term oxygen therapy in chronic obstructive pulmonary disease. Journal of Molecular Medicine, 2018, 96, 1375-1385.	1.7	17
121	Childhood asthma is associated with COPD and known asthma variants in COPDGene: a genome-wide association study. Respiratory Research, 2018, 19, 209.	1.4	41
122	CT-based Visual Classification of Emphysema: Association with Mortality in the COPDGene Study. Radiology, 2018, 288, 859-866.	3.6	138
123	Identification of Chronic Obstructive Pulmonary Disease Axes That Predict All-Cause Mortality. American Journal of Epidemiology, 2018, 187, 2109-2116.	1.6	25
124	Controllability in an islet specific regulatory network identifies the transcriptional factor NFATC4, which regulates Type 2 Diabetes associated genes. Npj Systems Biology and Applications, 2018, 4, 25.	1.4	25
125	Whole-Genome Sequencing in Severe Chronic Obstructive Pulmonary Disease. American Journal of Respiratory Cell and Molecular Biology, 2018, 59, 614-622.	1.4	22
126	Integrative genomics identifies new genes associated with severe COPD and emphysema. Respiratory Research, 2018, 19, 46.	1.4	20

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127	Ensemble genomic analysis in human lung tissue identifies novel genes for chronic obstructive pulmonary disease. Human Genomics, 2018, 12, 1.	1.4	35
128	Longitudinal Phenotypes and Mortality in Preserved Ratio Impaired Spirometry in the COPDGene Study. American Journal of Respiratory and Critical Care Medicine, 2018, 198, 1397-1405.	2.5	132
129	Elevated circulating MMP-9 is linked to increased COPD exacerbation risk in SPIROMICS and COPDGene. JCI Insight, 2018, 3, .	2.3	46
130	The Undiagnosed Diseases Network: Accelerating Discovery about Health and Disease. American Journal of Human Genetics, 2017, 100, 185-192.	2.6	142
131	Association Between Telomere Length and Risk of Cancer and Non-Neoplastic Diseases. JAMA Oncology, 2017, 3, 636.	3.4	376
132	Genetic loci associated with chronic obstructive pulmonary disease overlap with loci for lung function and pulmonary fibrosis. Nature Genetics, 2017, 49, 426-432.	9.4	306
133	Genome-wide association analyses for lung function and chronic obstructive pulmonary disease identify new loci and potential druggable targets. Nature Genetics, 2017, 49, 416-425.	9.4	257
134	Transcriptomic Analysis of Lung Tissue from Cigarette Smokeâ€“Induced Emphysema Murine Models and Human Chronic Obstructive Pulmonary Disease Show Shared and Distinct Pathways. American Journal of Respiratory Cell and Molecular Biology, 2017, 57, 47-58.	1.4	37
135	Genetic Association and Risk Scores in a Chronic Obstructive Pulmonary Disease Meta-analysis of 16,707 Subjects. American Journal of Respiratory Cell and Molecular Biology, 2017, 57, 35-46.	1.4	55
136	Metabolomic profiling in a Hedgehog Interacting Protein (Hhip) murine model of chronic obstructive pulmonary disease. Scientific Reports, 2017, 7, 2504.	1.6	16
137	Do COPD subtypes really exist? COPD heterogeneity and clustering in 10 independent cohorts. Thorax, 2017, 72, 998-1006.	2.7	65
138	Alpha-1 Antitrypsin PiMZ Genotype Is Associated with Chronic Obstructive Pulmonary Disease in Two Racial Groups. Annals of the American Thoracic Society, 2017, 14, 1280-1287.	1.5	60
139	Functional interactors of three genome-wide association study genes are differentially expressed in severe chronic obstructive pulmonary disease lung tissue. Scientific Reports, 2017, 7, 44232.	1.6	76
140	Progress in disease progression genetics: dissecting the genetic origins of lung function decline in COPD. Thorax, 2017, 72, 389-390.	2.7	5
141	On the association analysis of genomeâ€sequencing data: A spatial clustering approach for partitioning the entire genome into nonoverlapping windows. Genetic Epidemiology, 2017, 41, 332-340.	0.6	10
142	Lung Mass in Smokers. Academic Radiology, 2017, 24, 386-392.	1.3	15
143	Body mass index change in gastrointestinal cancer and chronic obstructive pulmonary disease is associated with Dedicator of Cytokinesis 1. Journal of Cachexia, Sarcopenia and Muscle, 2017, 8, 428-436.	2.9	13
144	The MUC5B promoter polymorphism is associated with specific interstitial lung abnormality subtypes. European Respiratory Journal, 2017, 50, 1700537.	3.1	55

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145	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.	1.3	73
146	Chest computed tomography-derived lowÂfat-free mass index and mortality inÂCOPD. European Respiratory Journal, 2017, 50, 1701134.	3.1	53
147	Sex-Based Genetic Association Study Identifies CELSR1 as a Possible Chronic Obstructive Pulmonary Disease Risk Locus among Women. American Journal of Respiratory Cell and Molecular Biology, 2017, 56, 332-341.	1.4	28
148	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.	1.5	15
149	Susceptibility to Childhood Pneumonia: A Genome-Wide Analysis. American Journal of Respiratory Cell and Molecular Biology, 2017, 56, 20-28.	1.4	24
150	A Bayesian Nonparametric Model for Disease Subtyping: Application to Emphysema Phenotypes. IEEE Transactions on Medical Imaging, 2017, 36, 343-354.	5.4	17
151	Genome-Wide Association Study of the Genetic Determinants of Emphysema Distribution. American Journal of Respiratory and Critical Care Medicine, 2017, 195, 757-771.	2.5	45
152	Influence of <scp>SIGLEC9</scp> polymorphisms on <scp>COPD</scp> phenotypes including exacerbation frequency. Respirology, 2017, 22, 684-690.	1.3	27
153	Estimating drivers of cell state transitions using gene regulatory network models. BMC Systems Biology, 2017, 11, 139.	3.0	17
154	RNA sequencing identifies novel non-coding RNA and exon-specific effects associated with cigarette smoking. BMC Medical Genomics, 2017, 10, 58.	0.7	48
155	The value of blood cytokines and chemokines in assessing COPD. Respiratory Research, 2017, 18, 180.	1.4	83
156	Network Medicine. , 2017, , .		55
157	Serum Proteins Associated with Emphysema Progression in Severe Alpha-1 Antitrypsin Deficiency. Chronic Obstructive Pulmonary Diseases (Miami, Fla), 2017, 4, 204-216.	0.5	6
158	FARVATX: Familyâ€Based Rare Variant Association Test for Xâ€Linked Genes. Genetic Epidemiology, 2016, 40, 475-485.	0.6	5
159	Persistent and Newly Developed Chronic Bronchitis Are Associated with Worse Outcomes in Chronic Obstructive Pulmonary Disease. Annals of the American Thoracic Society, 2016, 13, 1016-1025.	1.5	36
160	Interpretable Clustering via Discriminative Rectangle Mixture Model. , 2016, , .		11
161	Sarcopenic Obesity, Functional Outcomes, and Systemic Inflammation in Patients With Chronic Obstructive PulmonaryÂDisease. Journal of the American Medical Directors Association, 2016, 17, 712-718.	1.2	77
162	Risk of Lung Disease in PI MZ Heterozygotes. Current Status and Future Research Directions. Annals of the American Thoracic Society, 2016, 13, S341-S345.	1.5	18

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163	Increasing Generality and Power of Rare-Variant Tests by Utilizing Extended Pedigrees. American Journal of Human Genetics, 2016, 99, 846-859.	2.6	26
164	Identifying a Deletion Affecting Total Lung Capacity Among Subjects in the COPDGene Study Cohort. Genetic Epidemiology, 2016, 40, 81-88.	0.6	5
165	DNA methylation profiling in human lung tissue identifies genes associated with COPD. Epigenetics, 2016, 11, 730-739.	1.3	73
166	Hhip haploinsufficiency sensitizes mice to age-related emphysema. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E4681-E4687.	3.3	60
167	Clinical, physiologic, and radiographic factors contributing to development of hypoxemia in moderate to severe COPD: a cohort study. BMC Pulmonary Medicine, 2016, 16, 169.	0.8	21
168	COPD subtypes identified by network-based clustering of blood gene expression. Genomics, 2016, 107, 51-58.	1.3	49
169	Exome Array Analysis Identifies a Common Variant in IL27 Associated with Chronic Obstructive Pulmonary Disease. American Journal of Respiratory and Critical Care Medicine, 2016, 194, 48-57.	2.5	52
170	Desmoplakin Variants Are Associated with Idiopathic Pulmonary Fibrosis. American Journal of Respiratory and Critical Care Medicine, 2016, 193, 1151-1160.	2.5	68
171	Association Between Interstitial Lung Abnormalities and All-Cause Mortality. JAMA - Journal of the American Medical Association, 2016, 315, 672.	3.8	333
172	A Chronic Obstructive Pulmonary Disease Susceptibility Gene, FAM13A, Regulates Protein Stability of Î²-Catenin. American Journal of Respiratory and Critical Care Medicine, 2016, 194, 185-197.	2.5	101
173	Association between Functional Small Airway Disease and FEV₁ Decline in Chronic Obstructive Pulmonary Disease. American Journal of Respiratory and Critical Care Medicine, 2016, 194, 178-184.	2.5	292
174	Utilizing the Jaccard index to reveal population stratification in sequencing data: a simulation study and an application to the 1000 Genomes Project. Bioinformatics, 2016, 32, 1366-1372.	1.8	43
175	Mitochondrial iron chelation ameliorates cigarette smokeâ€“induced bronchitis and emphysema in mice. Nature Medicine, 2016, 22, 163-174.	15.2	206
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