

# Edwin K Silverman

## List of Publications by Year in descending order

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Version: 2024-02-01

324  
papers

30,182  
citations

4388

86  
h-index

6300

158  
g-index

343  
all docs

343  
docs citations

343  
times ranked

25904  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sequencing of 53,831 diverse genomes from the NHLBI TOPMed Program. <i>Nature</i> , 2021, 590, 290-299.	27.8	1,069
2	Genetic Epidemiology of COPD (COPDGene) Study Design. <i>COPD: Journal of Chronic Obstructive Pulmonary Disease</i> , 2011, 7, 32-43.	1.6	1,007
3	Characterisation of COPD heterogeneity in the ECLIPSE cohort. <i>Respiratory Research</i> , 2010, 11, 122.	3.6	952
4	Chronic Obstructive Pulmonary Disease Phenotypes. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2010, 182, 598-604.	5.6	898
5	Changes in Forced Expiratory Volume in 1 Second over Time in COPD. <i>New England Journal of Medicine</i> , 2011, 365, 1184-1192.	27.0	811
6	An Official American Thoracic Society Public Policy Statement: Novel Risk Factors and the Global Burden of Chronic Obstructive Pulmonary Disease. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2010, 182, 693-718.	5.6	760
7	A Genome-Wide Association Study in Chronic Obstructive Pulmonary Disease (COPD): Identification of Two Major Susceptibility Loci. <i>PLoS Genetics</i> , 2009, 5, e1000421.	3.5	656
8	Persistent Systemic Inflammation is Associated with Poor Clinical Outcomes in COPD: A Novel Phenotype. <i>PLoS ONE</i> , 2012, 7, e37483.	2.5	633
9	Lung Volumes and Emphysema in Smokers with Interstitial Lung Abnormalities. <i>New England Journal of Medicine</i> , 2011, 364, 897-906.	27.0	468
10	Chronic obstructive pulmonary disease. <i>Nature Reviews Disease Primers</i> , 2015, 1, 15076.	30.5	444
11	CT-Definable Subtypes of Chronic Obstructive Pulmonary Disease: A Statement of the Fleischner Society. <i>Radiology</i> , 2015, 277, 192-205.	7.3	423
12	Pulmonary Arterial Enlargement and Acute Exacerbations of COPD. <i>New England Journal of Medicine</i> , 2012, 367, 913-921.	27.0	397
13	Family-based tests for associating haplotypes with general phenotype data: Application to asthma genetics. <i>Genetic Epidemiology</i> , 2004, 26, 61-69.	1.3	395
14	Alpha <sub>1</sub> -Antitrypsin Deficiency. <i>New England Journal of Medicine</i> , 2009, 360, 2749-2757.	27.0	377
15	Association Between Telomere Length and Risk of Cancer and Non-Neoplastic Diseases. <i>JAMA Oncology</i> , 2017, 3, 636.	7.1	376
16	Inherited causes of clonal haematopoiesis in 97,691 whole genomes. <i>Nature</i> , 2020, 586, 763-768.	27.8	376
17	The clinical features of the overlap between COPD and asthma. <i>Respiratory Research</i> , 2011, 12, 127.	3.6	362
18	Clinical and Radiologic Disease in Smokers With Normal Spirometry. <i>JAMA Internal Medicine</i> , 2015, 175, 1539.	5.1	360

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19	New genetic signals for lung function highlight pathways and chronic obstructive pulmonary disease associations across multiple ancestries. <i>Nature Genetics</i> , 2019, 51, 481-493.	21.4	350
20	Variants in FAM13A are associated with chronic obstructive pulmonary disease. <i>Nature Genetics</i> , 2010, 42, 200-202.	21.4	348
21	Association Between Interstitial Lung Abnormalities and All-Cause Mortality. <i>JAMA - Journal of the American Medical Association</i> , 2016, 315, 672.	7.4	333
22	<i>MMP12</i> , Lung Function, and COPD in High-Risk Populations. <i>New England Journal of Medicine</i> , 2009, 361, 2599-2608.	27.0	315
23	Genetic loci associated with chronic obstructive pulmonary disease overlap with loci for lung function and pulmonary fibrosis. <i>Nature Genetics</i> , 2017, 49, 426-432.	21.4	306
24	A Genome-Wide Association Study of Pulmonary Function Measures in the Framingham Heart Study. <i>PLoS Genetics</i> , 2009, 5, e1000429.	3.5	292
25	Association between Functional Small Airway Disease and FEV <sub>1</sub> Decline in Chronic Obstructive Pulmonary Disease. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2016, 194, 178-184.	5.6	292
26	Risk loci for chronic obstructive pulmonary disease: a genome-wide association study and meta-analysis. <i>Lancet Respiratory Medicine</i> , 2014, 2, 214-225.	10.7	291
27	The Chronic Bronchitic Phenotype of COPD. <i>Chest</i> , 2011, 140, 626-633.	0.8	280
28	Airway Wall Thickening and Emphysema Show Independent Familial Aggregation in Chronic Obstructive Pulmonary Disease. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2008, 178, 500-505.	5.6	268
29	PBAT: Tools for Family-Based Association Studies. <i>American Journal of Human Genetics</i> , 2004, 74, 367-369.	6.2	262
30	Genome-wide association analyses for lung function and chronic obstructive pulmonary disease identify new loci and potential druggable targets. <i>Nature Genetics</i> , 2017, 49, 416-425.	21.4	257
31	Genetic landscape of chronic obstructive pulmonary disease identifies heterogeneous cell-type and phenotype associations. <i>Nature Genetics</i> , 2019, 51, 494-505.	21.4	257
32	The clinical and genetic features of COPD-asthma overlap syndrome. <i>European Respiratory Journal</i> , 2014, 44, 341-350.	6.7	249
33	The presence and progression of emphysema in COPD as determined by CT scanning and biomarker expression: a prospective analysis from the ECLIPSE study. <i>Lancet Respiratory Medicine</i> , 2013, 1, 129-136.	10.7	224
34	A genome-wide association study of COPD identifies a susceptibility locus on chromosome 19q13. <i>Human Molecular Genetics</i> , 2012, 21, 947-957.	2.9	216
35	Mitochondrial iron chelation ameliorates cigarette smoke-induced bronchitis and emphysema in mice. <i>Nature Medicine</i> , 2016, 22, 163-174.	30.7	206
36	The transforming growth factor- $\beta$ 1 (TGFB1) gene is associated with chronic obstructive pulmonary disease (COPD). <i>Human Molecular Genetics</i> , 2004, 13, 1649-1656.	2.9	203

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37	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. <i>PLoS Genetics</i> , 2019, 15, e1008500.	3.5	203
38	Epidemiology, genetics, and subtyping of preserved ratio impaired spirometry (PRISm) in COPDGene. <i>Respiratory Research</i> , 2014, 15, 89.	3.6	196
39	Attempted Replication of Reported Chronic Obstructive Pulmonary Disease Candidate Gene Associations. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2005, 33, 71-78.	2.9	185
40	Alpha-1-Antitrypsin Deficiency: High Prevalence in the St. Louis Area Determined by Direct Population Screening. <i>The American Review of Respiratory Disease</i> , 1989, 140, 961-966.	2.9	176
41	Early-Onset Chronic Obstructive Pulmonary Disease Is Associated with Female Sex, Maternal Factors, and African American Race in the COPDGene Study. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2011, 184, 414-420.	5.6	176
42	Genomewide Linkage Analysis of Quantitative Spirometric Phenotypes in Severe Early-Onset Chronic Obstructive Pulmonary Disease. <i>American Journal of Human Genetics</i> , 2002, 70, 1229-1239.	6.2	168
43	The SERPINE2 Gene Is Associated with Chronic Obstructive Pulmonary Disease. <i>American Journal of Human Genetics</i> , 2006, 78, 253-264.	6.2	167
44	Genome-Wide Association Studies Identify <i>CHRNA5/3</i> and <i>HTR4</i> in the Development of Airflow Obstruction. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2012, 186, 622-632.	5.6	164
45	A disease module in the interactome explains disease heterogeneity, drug response and captures novel pathways and genes in asthma. <i>Human Molecular Genetics</i> , 2015, 24, 3005-3020.	2.9	162
46	Clarification of the Risk of Chronic Obstructive Pulmonary Disease in $\alpha$ -1-Antitrypsin Deficiency PiMZ Heterozygotes. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2014, 189, 419-427.	5.6	156
47	Variability of Pulmonary Function in Alpha-1-Antitrypsin Deficiency: Clinical Correlates. <i>Annals of Internal Medicine</i> , 1989, 111, 982.	3.9	152
48	Telomerase mutations in smokers with severe emphysema. <i>Journal of Clinical Investigation</i> , 2015, 125, 563-570.	8.2	152
49	Coronary artery calcification is increased in patients with COPD and associated with increased morbidity and mortality. <i>Thorax</i> , 2014, 69, 718-723.	5.6	151
50	Case-Control Association Studies for the Genetics of Complex Respiratory Diseases. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2000, 22, 645-648.	2.9	144
51	Association Between Titin Loss-of-Function Variants and Early-Onset Atrial Fibrillation. <i>JAMA - Journal of the American Medical Association</i> , 2018, 320, 2354.	7.4	144
52	Identification of a chronic obstructive pulmonary disease genetic determinant that regulates HHIP. <i>Human Molecular Genetics</i> , 2012, 21, 1325-1335.	2.9	143
53	The Undiagnosed Diseases Network: Accelerating Discovery about Health and Disease. <i>American Journal of Human Genetics</i> , 2017, 100, 185-192.	6.2	142
54	Integration of Genomic and Genetic Approaches Implicates IREB2 as a COPD Susceptibility Gene. <i>American Journal of Human Genetics</i> , 2009, 85, 493-502.	6.2	139

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55	Blood eosinophil count thresholds and exacerbations in patients with chronic obstructive pulmonary disease. <i>Journal of Allergy and Clinical Immunology</i> , 2018, 141, 2037-2047.e10.	2.9	138
56	CT-based Visual Classification of Emphysema: Association with Mortality in the COPDGene Study. <i>Radiology</i> , 2018, 288, 859-866.	7.3	138
57	Genetic Determinants of Emphysema Distribution in the National Emphysema Treatment Trial. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2007, 176, 42-48.	5.6	136
58	Longitudinal Phenotypes and Mortality in Preserved Ratio Impaired Spirometry in the COPDGene Study. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018, 198, 1397-1405.	5.6	132
59	Clinical and Radiographic Predictors of GOLDâ€œUnclassified Smokers in the COPDGene Study. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2011, 184, 57-63.	5.6	131
60	PRIMUS: Rapid Reconstruction of Pedigrees from Genome-wide Estimates of Identity by Descent. <i>American Journal of Human Genetics</i> , 2014, 95, 553-564.	6.2	129
61	Loci Identified by Genome-wide Association Studies Influence Different Disease-related Phenotypes in Chronic Obstructive Pulmonary Disease. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2010, 182, 1498-1505.	5.6	128
62	Cluster analysis in the COPDGene study identifies subtypes of smokers with distinct patterns of airway disease and emphysema. <i>Thorax</i> , 2014, 69, 416-423.	5.6	128
63	A Genome-Wide Association Study of Emphysema and Airway Quantitative Imaging Phenotypes. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2015, 192, 559-569.	5.6	128
64	Molecular networks in Network Medicine: Development and applications. <i>Wiley Interdisciplinary Reviews: Systems Biology and Medicine</i> , 2020, 12, e1489.	6.6	128
65	Lessons from ECLIPSE: a review of COPD biomarkers. <i>Thorax</i> , 2014, 69, 666-672.	5.6	125
66	TheSERPINE2Gene Is Associated with Chronic Obstructive Pulmonary Disease in Two Large Populations. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2007, 176, 167-173.	5.6	124
67	Quantitative Computed Tomography of the Lungs and Airways in Healthy Nonsmoking Adults. <i>Investigative Radiology</i> , 2012, 47, 596-602.	6.2	121
68	Heritability of Chronic Obstructive Pulmonary Disease and Related Phenotypes in Smokers. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2013, 188, 941-947.	5.6	121
69	Family-based association analysis of Î²2-adrenergic receptor polymorphisms in the childhood asthma management program. <i>Journal of Allergy and Clinical Immunology</i> , 2003, 112, 870-876.	2.9	119
70	A genome-wide association study identifies risk loci for spirometric measures among smokers of European and African ancestry. <i>BMC Genetics</i> , 2015, 16, 138.	2.7	119
71	The COPD genetic association compendium: a comprehensive online database of COPD genetic associations. <i>Human Molecular Genetics</i> , 2010, 19, 526-534.	2.9	118
72	Distinct Quantitative Computed Tomography Emphysema Patterns Are Associated with Physiology and Function in Smokers. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2013, 188, 1083-1090.	5.6	118

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73	RISK FACTORS FOR THE DEVELOPMENT OF CHRONIC OBSTRUCTIVE PULMONARY DISEASE. <i>Medical Clinics of North America</i> , 1996, 80, 501-522.	2.5	113
74	Genetic Association Analysis of Functional Impairment in Chronic Obstructive Pulmonary Disease. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2006, 173, 977-984.	5.6	112
75	COPDGene® 2019: Redefining the Diagnosis of Chronic Obstructive Pulmonary Disease. <i>Chronic Obstructive Pulmonary Diseases (Miami, Fla )</i> , 2019, 6, 384-399.	0.7	112
76	Determinants of airflow obstruction in severe alpha-1-antitrypsin deficiency. <i>Thorax</i> , 2007, 62, 806-813.	5.6	108
77	Genome-wide linkage analysis of severe, early-onset chronic obstructive pulmonary disease: airflow obstruction and chronic bronchitis phenotypes. <i>Human Molecular Genetics</i> , 2002, 11, 623-632.	2.9	106
78	Interstitial Lung Abnormalities and Reduced Exercise Capacity. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2012, 185, 756-762.	5.6	106
79	β <sub>2</sub> -Blockers are associated with a reduction in COPD exacerbations. <i>Thorax</i> , 2016, 71, 8-14.	5.6	105
80	Genetics of COPD. <i>Annual Review of Physiology</i> , 2020, 82, 413-431.	13.1	104
81	Genome-wide Association Study Identifies <i>BICD1</i> as a Susceptibility Gene for Emphysema. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2011, 183, 43-49.	5.6	103
82	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> , 2019, 104, 260-274.	6.2	103
83	A Chronic Obstructive Pulmonary Disease Susceptibility Gene, <i>FAM13A</i> , Regulates Protein Stability of β <sub>2</sub> -Catenin. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2016, 194, 185-197.	5.6	101
84	Genome-wide linkage analysis of bronchodilator responsiveness and post-bronchodilator spirometric phenotypes in chronic obstructive pulmonary disease. <i>Human Molecular Genetics</i> , 2003, 12, 1199-1210.	2.9	100
85	Genome-wide association study of smoking behaviours in patients with COPD. <i>Thorax</i> , 2011, 66, 894-902.	5.6	95
86	Molecular Biomarkers for Quantitative and Discrete COPD Phenotypes. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2009, 40, 359-367.	2.9	94
87	Paired inspiratory-expiratory chest CT scans to assess for small airways disease in COPD. <i>Respiratory Research</i> , 2013, 14, 42.	3.6	93
88	Resequencing Study Confirms That Host Defense and Cell Senescence Gene Variants Contribute to the Risk of Idiopathic Pulmonary Fibrosis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019, 200, 199-208.	5.6	90
89	Deep Learning Enables Automatic Classification of Emphysema Pattern at CT. <i>Radiology</i> , 2020, 294, 434-444.	7.3	89
90	Interobserver Variability in the Determination of Upper Lobe-Predominant Emphysema. <i>Chest</i> , 2007, 131, 424-431.	0.8	88

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91	Sex Differences in Emphysema and Airway Disease in Smokers. <i>Chest</i> , 2009, 136, 1480-1488.	0.8	88
92	Common Genetic Polymorphisms Influence Blood Biomarker Measurements in COPD. <i>PLoS Genetics</i> , 2016, 12, e1006011.	3.5	88
93	CT Metrics of Airway Disease and Emphysema in Severe COPD. <i>Chest</i> , 2009, 136, 396-404.	0.8	87
94	The Association of Genome-Wide Significant Spirometric Loci with Chronic Obstructive Pulmonary Disease Susceptibility. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2011, 45, 1147-1153.	2.9	87
95	Genome-Wide Study of Percent Emphysema on Computed Tomography in the General Population. The Multi-Ethnic Study of Atherosclerosis Lung/SNP Health Association Resource Study. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2014, 189, 408-418.	5.6	87
96	Polymorphisms in Surfactant Protein D Are Associated with Chronic Obstructive Pulmonary Disease. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2011, 44, 316-322.	2.9	83
97	The value of blood cytokines and chemokines in assessing COPD. <i>Respiratory Research</i> , 2017, 18, 180.	3.6	83
98	The genetics of chronic obstructive pulmonary disease. <i>Respiratory Research</i> , 2001, 2, 20.	3.6	82
99	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> , 2015, 192, 785-792.	5.6	82
100	A Functional Mutation in the Terminal Exon of Elastin in Severe, Early-Onset Chronic Obstructive Pulmonary Disease. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2005, 33, 355-362.	2.9	80
101	T-Bet Polymorphisms Are Associated with Asthma and Airway Hyperresponsiveness. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2006, 173, 64-70.	5.6	78
102	Î±1-Antitrypsin Protease Inhibitor MZ Heterozygosity Is Associated With Airflow Obstruction in Two Large Cohorts. <i>Chest</i> , 2010, 138, 1125-1132.	0.8	77
103	Genome-Wide Association Identifies Regulatory Loci Associated with Distinct Local Histogram Emphysema Patterns. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2014, 190, 399-409.	5.6	77
104	Sarcopenic Obesity, Functional Outcomes, and Systemic Inflammation in Patients With Chronic Obstructive Pulmonary Disease. <i>Journal of the American Medical Directors Association</i> , 2016, 17, 712-718.	2.5	77
105	Overlap of Genetic Risk between Interstitial Lung Abnormalities and Idiopathic Pulmonary Fibrosis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019, 200, 1402-1413.	5.6	77
106	Functional interactors of three genome-wide association study genes are differentially expressed in severe chronic obstructive pulmonary disease lung tissue. <i>Scientific Reports</i> , 2017, 7, 44232.	3.3	76
107	<i>CHRNA3</i> , <i>IREB2</i> , and <i>ADCY2</i> Are Associated with Severe Chronic Obstructive Pulmonary Disease in Poland. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2012, 47, 203-208.	2.9	75
108	Network medicine approaches to the genetics of complex diseases. <i>Discovery Medicine</i> , 2012, 14, 143-52.	0.5	75



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109	Predictors of Survival in Severe, Early Onset COPD. <i>Chest</i> , 2004, 126, 1443-1451.	0.8	74
110	Progress in Chronic Obstructive Pulmonary Disease Genetics. <i>Proceedings of the American Thoracic Society</i> , 2006, 3, 405-408.	3.5	73
111	DNA methylation profiling in human lung tissue identifies genes associated with COPD. <i>Epigenetics</i> , 2016, 11, 730-739.	2.7	73
112	Electronic Cigarette Use in US Adults at Risk for or with COPD: Analysis from Two Observational Cohorts. <i>Journal of General Internal Medicine</i> , 2017, 32, 1315-1322.	2.6	73
113	<i>IL10</i> Polymorphisms Are Associated with Airflow Obstruction in Severe $\alpha$ 1-Antitrypsin Deficiency. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2008, 38, 114-120.	2.9	72
114	Cluster analysis in severe emphysema subjects using phenotype and genotype data: an exploratory investigation. <i>Respiratory Research</i> , 2010, 11, 30.	3.6	72
115	Prediction of Acute Respiratory Disease in Current and Former Smokers With and Without COPD. <i>Chest</i> , 2014, 146, 941-950.	0.8	71
116	Genetic influences on chronic obstructive pulmonary disease – A twin study. <i>Respiratory Medicine</i> , 2010, 104, 1890-1895.	2.9	69
117	Dissecting direct and indirect genetic effects on chronic obstructive pulmonary disease (COPD) susceptibility. <i>Human Genetics</i> , 2013, 132, 431-441.	3.8	69
118	Chronic obstructive pulmonary disease and related phenotypes: polygenic risk scores in population-based and case-control cohorts. <i>Lancet Respiratory Medicine</i> , 2020, 8, 696-708.	10.7	69
119	Desmoplakin Variants Are Associated with Idiopathic Pulmonary Fibrosis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2016, 193, 1151-1160.	5.6	68
120	SOX5 Is a Candidate Gene for Chronic Obstructive Pulmonary Disease Susceptibility and Is Necessary for Lung Development. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2011, 183, 1482-1489.	5.6	67
121	It's more than low BMI: prevalence of cachexia and associated mortality in COPD. <i>Respiratory Research</i> , 2019, 20, 100.	3.6	66
122	Genetic Advances in Chronic Obstructive Pulmonary Disease. Insights from COPD Gene. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019, 200, 677-690.	5.6	66
123	The clinical impact of non-obstructive chronic bronchitis in current and former smokers. <i>Respiratory Medicine</i> , 2014, 108, 491-499.	2.9	65
124	Do COPD subtypes really exist? COPD heterogeneity and clustering in 10 independent cohorts. <i>Thorax</i> , 2017, 72, 998-1006.	5.6	65
125	Machine Learning and Prediction of All-Cause Mortality in COPD. <i>Chest</i> , 2020, 158, 952-964.	0.8	62
126	Genome-wide Linkage of Forced Mid-expiratory Flow in Chronic Obstructive Pulmonary Disease. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2004, 170, 1294-1301.	5.6	61



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127	Haploinsufficiency of Hedgehog interacting protein causes increased emphysema induced by cigarette smoke through network rewiring. <i>Genome Medicine</i> , 2015, 7, 12.	8.2	61
128	A Family Study of the Variability of Pulmonary Function in $\alpha$ 1-Antitrypsin Deficiency: Quantitative Phenotypes. <i>The American Review of Respiratory Disease</i> , 1990, 142, 1015-1021.	2.9	60
129	Hhip haploinsufficiency sensitizes mice to age-related emphysema. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E4681-E4687.	7.1	60
130	Alpha-1 Antitrypsin PiMZ Genotype Is Associated with Chronic Obstructive Pulmonary Disease in Two Racial Groups. <i>Annals of the American Thoracic Society</i> , 2017, 14, 1280-1287.	3.2	60
131	Subtyping COPD by Using Visual and Quantitative CT Imaging Features. <i>Chest</i> , 2020, 157, 47-60.	0.8	60
132	Genetics of Sputum Gene Expression in Chronic Obstructive Pulmonary Disease. <i>PLoS ONE</i> , 2011, 6, e24395.	2.5	59
133	A Simplified Score to Quantify Comorbidity in COPD. <i>PLoS ONE</i> , 2014, 9, e114438.	2.5	58
134	Human Lung DNA Methylation Quantitative Trait Loci Colocalize with Chronic Obstructive Pulmonary Disease Genome-Wide Association Loci. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018, 197, 1275-1284.	5.6	56
135	Sex-specific features of emphysema among current and former smokers with COPD. <i>European Respiratory Journal</i> , 2016, 47, 104-112.	6.7	55
136	Genetic Association and Risk Scores in a Chronic Obstructive Pulmonary Disease Meta-analysis of 16,707 Subjects. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2017, 57, 35-46.	2.9	55
137	The <i>MUC5B</i> promoter polymorphism is associated with specific interstitial lung abnormality subtypes. <i>European Respiratory Journal</i> , 2017, 50, 1700537.	6.7	55
138	Network Medicine. , 2017, , .		55
139	Chest computed tomography-derived low-fat-free mass index and mortality in COPD. <i>European Respiratory Journal</i> , 2017, 50, 1701134.	6.7	53
140	Clinical Epidemiology of COPD. <i>Chest</i> , 2019, 156, 228-238.	0.8	53
141	Exome Array Analysis Identifies a Common Variant in <i>IL27</i> Associated with Chronic Obstructive Pulmonary Disease. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2016, 194, 48-57.	5.6	52
142	Five-year Progression of Emphysema and Air Trapping at CT in Smokers with and Those without Chronic Obstructive Pulmonary Disease: Results from the COPD Gene Study. <i>Radiology</i> , 2020, 295, 218-226.	7.3	52
143	Genetic susceptibility for chronic bronchitis in chronic obstructive pulmonary disease. <i>Respiratory Research</i> , 2014, 15, 113.	3.6	51
144	$\alpha$ 1-Antitrypsin Augmentation Therapy for Pi* <i>MZ</i> Heterozygotes. <i>Chest</i> , 2008, 134, 831-834.	0.8	50

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145	Genome-Wide Association Analysis of Body Mass in Chronic Obstructive Pulmonary Disease. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2011, 45, 304-310.	2.9	50
146	Association Between Airway Caliber Changes With Lung Inflation and Emphysema Assessed by Volumetric CT Scan in Subjects With COPD. <i>Chest</i> , 2012, 141, 736-744.	0.8	50
147	Epigenetics and pulmonary diseases in the horizon of precision medicine: a review. <i>European Respiratory Journal</i> , 2021, 57, 2003406.	6.7	50
148	Family study of $\alpha$ 1-antitrypsin deficiency: Effects of cigarette smoking, measured genotype, and their interaction on pulmonary function and biochemical traits. <i>Genetic Epidemiology</i> , 1992, 9, 317-331.	1.3	49
149	Family History Is a Risk Factor for COPD. <i>Chest</i> , 2011, 140, 343-350.	0.8	49
150	COPD subtypes identified by network-based clustering of blood gene expression. <i>Genomics</i> , 2016, 107, 51-58.	2.9	49
151	Genetics of COPD and Emphysema. <i>Chest</i> , 2009, 136, 859-866.	0.8	48
152	RNA sequencing identifies novel non-coding RNA and exon-specific effects associated with cigarette smoking. <i>BMC Medical Genomics</i> , 2017, 10, 58.	1.5	48
153	Sexually-dimorphic targeting of functionally-related genes in COPD. <i>BMC Systems Biology</i> , 2014, 8, 118.	3.0	47
154	Gene expression analysis uncovers novel hedgehog interacting protein (HHIP) effects in human bronchial epithelial cells. <i>Genomics</i> , 2013, 101, 263-272.	2.9	46
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