Edwin K Silverman

List of Publications by Year
in descending order

324	30,182	4383	6294
papers	citations	h-index	g-index

343	343	343	25904
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Sequencing of 53,831 diverse genomes from the NHLBI TOPMed Program. Nature, 2021, 590, 290-299.	13.7	1,069
2	Genetic Epidemiology of COPD (COPDGene) Study Design. COPD: Journal of Chronic Obstructive Pulmonary Disease, 2011, 7, 32-43.	0.7	1,007
3	Characterisation of COPD heterogeneity in the ECLIPSE cohort. Respiratory Research, 2010, 11, 122.	1.4	952
4	Chronic Obstructive Pulmonary Disease Phenotypes. American Journal of Respiratory and Critical Care Medicine, 2010, 182, 598-604.	2.5	898
5	Changes in Forced Expiratory Volume in 1 Second over Time in COPD. New England Journal of Medicine, 2011, 365, 1184-1192.	13.9	811
6	An Official American Thoracic Society Public Policy Statement: Novel Risk Factors and the Global Burden of Chronic Obstructive Pulmonary Disease. American Journal of Respiratory and Critical Care Medicine, 2010, 182, 693-718.	2.5	760
7	A Genome-Wide Association Study in Chronic Obstructive Pulmonary Disease (COPD): Identification of Two Major Susceptibility Loci. PLoS Genetics, 2009, 5, e1000421.	1.5	656
8	Persistent Systemic Inflammation is Associated with Poor Clinical Outcomes in COPD: A Novel Phenotype. PLoS ONE, 2012, 7, e37483.	1.1	633
9	Lung Volumes and Emphysema in Smokers with Interstitial Lung Abnormalities. New England Journal of Medicine, 2011, 364, 897-906.	13.9	468
10	Chronic obstructive pulmonary disease. Nature Reviews Disease Primers, 2015, 1, 15076.	18.1	444
11	CT-Definable Subtypes of Chronic Obstructive Pulmonary Disease: A Statement of the Fleischner Society. Radiology, 2015, 277, 192-205.	3.6	423
12	Pulmonary Arterial Enlargement and Acute Exacerbations of COPD. New England Journal of Medicine, 2012, 367, 913-921.	13.9	397
13	Family-based tests for associating haplotypes with general phenotype data: Application to asthma genetics. Genetic Epidemiology, 2004, 26, 61-69.	0.6	395
14	Alpha₁-Antitrypsin Deficiency. New England Journal of Medicine, 2009, 360, 2749-2757.	13.9	377
15	Association Between Telomere Length and Risk of Cancer and Non-Neoplastic Diseases. JAMA Oncology, 2017, 3, 636.	3.4	376
16	Inherited causes of clonal haematopoiesis in 97,691 whole genomes. Nature, 2020, 586, 763-768.	13.7	376
17	The clinical features of the overlap between COPD and asthma. Respiratory Research, 2011, 12, 127.	1.4	362
18	Clinical and Radiologic Disease in Smokers With Normal Spirometry. JAMA Internal Medicine, 2015, 175, 1539.	2.6	360

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19	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
20	Variants in FAM13A are associated with chronic obstructive pulmonary disease. Nature Genetics, 2010, 42, 200-202.	9.4	348
21	Association Between Interstitial Lung Abnormalities and All-Cause Mortality. JAMA - Journal of the American Medical Association, 2016, 315, 672.	3.8	333
22	MMP12,Lung Function, and COPD in High-Risk Populations. New England Journal of Medicine, 2009, 361, 2599-2608.	13.9	315
23	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
24	A Genome-Wide Association Study of Pulmonary Function Measures in the Framingham Heart Study. PLoS Genetics, 2009, 5, e1000429.	1.5	292
25	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
26	Risk loci for chronic obstructive pulmonary disease: a genome-wide association study and meta-analysis. Lancet Respiratory Medicine,the, 2014, 2, 214-225.	5.2	291
27	The Chronic Bronchitic Phenotype of COPD. Chest, 2011, 140, 626-633.	0.4	280
28	Airway Wall Thickening and Emphysema Show Independent Familial Aggregation in Chronic Obstructive Pulmonary Disease. American Journal of Respiratory and Critical Care Medicine, 2008, 178, 500-505.	2.5	268
29	PBAT: Tools for Family-Based Association Studies. American Journal of Human Genetics, 2004, 74, 367-369.	2.6	262
30	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
31	Genetic landscape of chronic obstructive pulmonary disease identifies heterogeneous cell-type and phenotype associations. Nature Genetics, 2019, 51, 494-505.	9.4	257
32	The clinical and genetic features of COPD-asthma overlap syndrome. European Respiratory Journal, 2014, 44, 341-350.	3.1	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. Lancet Respiratory Medicine,the, 2013, 1, 129-136.	5.2	224
34	A genome-wide association study of COPD identifies a susceptibility locus on chromosome 19q13. Human Molecular Genetics, 2012, 21, 947-957.	1.4	216
35	Mitochondrial iron chelation ameliorates cigarette smokeâ€“induced bronchitis and emphysema in mice. Nature Medicine, 2016, 22, 163-174.	15.2	206
36	The transforming growth factor-Â1 (TGFB1) gene is associated with chronic obstructive pulmonary disease (COPD). Human Molecular Genetics, 2004, 13, 1649-1656.	1.4	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. PLoS Genetics, 2019, 15, e1008500.	1.5	203
38	Epidemiology, genetics, and subtyping of preserved ratio impaired spirometry (PRISm) in COPDGene. Respiratory Research, 2014, 15, 89.	1.4	196
39	Attempted Replication of Reported Chronic Obstructive Pulmonary Disease Candidate Gene Associations. American Journal of Respiratory Cell and Molecular Biology, 2005, 33, 71-78.	1.4	185
40	Alpha-1-Antitrypsin Deficiency: High Prevalence in the St. Louis Area Determined by Direct Population Screening. The American Review of Respiratory Disease, 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. American Journal of Respiratory and Critical Care Medicine, 2011, 184, 414-420.	2.5	176
42	Genomewide Linkage Analysis of Quantitative Spirometric Phenotypes in Severe Early-Onset Chronic Obstructive Pulmonary Disease. American Journal of Human Genetics, 2002, 70, 1229-1239.	2.6	168
43	The SERPINE2 Gene Is Associated with Chronic Obstructive Pulmonary Disease. American Journal of Human Genetics, 2006, 78, 253-264.	2.6	167
44	Genome-Wide Association Studies Identify CHRNA5/3 and HTR4 in the Development of Airflow Obstruction. American Journal of Respiratory and Critical Care Medicine, 2012, 186, 622-632.	2.5	164
45	A disease module in the interactome explains disease heterogeneity, drug response and captures novel pathways and genes in asthma. Human Molecular Genetics, 2015, 24, 3005-3020.	1.4	162
46	Clarification of the Risk of Chronic Obstructive Pulmonary Disease in Î±₁-Antitrypsin Deficiency PiMZ Heterozygotes. American Journal of Respiratory and Critical Care Medicine, 2014, 189, 419-427.	2.5	156
47	Variability of Pulmonary Function in Alpha-1-Antitrypsin Deficiency: Clinical Correlates. Annals of Internal Medicine, 1989, 111, 982.	2.0	152
48	Telomerase mutations in smokers with severe emphysema. Journal of Clinical Investigation, 2015, 125, 563-570.	3.9	152
49	Coronary artery calcification is increased in patients with COPD and associated with increased morbidity and mortality. Thorax, 2014, 69, 718-723.	2.7	151
50	Case-Control Association Studies for the Genetics of Complex Respiratory Diseases. American Journal of Respiratory Cell and Molecular Biology, 2000, 22, 645-648.	1.4	144
51	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
52	Identification of a chronic obstructive pulmonary disease genetic determinant that regulates HHIP. Human Molecular Genetics, 2012, 21, 1325-1335.	1.4	143
53	The Undiagnosed Diseases Network: Accelerating Discovery about Health and Disease. American Journal of Human Genetics, 2017, 100, 185-192.	2.6	142
54	Integration of Genomic and Genetic Approaches Implicates IREB2 as a COPD Susceptibility Gene. American Journal of Human Genetics, 2009, 85, 493-502.	2.6	139

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55	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
56	CT-based Visual Classification of Emphysema: Association with Mortality in the COPDGene Study. Radiology, 2018, 288, 859-866.	3.6	138
57	Genetic Determinants of Emphysema Distribution in the National Emphysema Treatment Trial. American Journal of Respiratory and Critical Care Medicine, 2007, 176, 42-48.	2.5	136
58	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
59	Clinical and Radiographic Predictors of GOLDâ€"Unclassified Smokers in the COPDGene Study. American Journal of Respiratory and Critical Care Medicine, 2011, 184, 57-63.	2.5	131
60	PRIMUS: Rapid Reconstruction of Pedigrees from Genome-wide Estimates of Identity by Descent. American Journal of Human Genetics, 2014, 95, 553-564.	2.6	129
61	Loci Identified by Genome-wide Association Studies Influence Different Disease-related Phenotypes in Chronic Obstructive Pulmonary Disease. American Journal of Respiratory and Critical Care Medicine, 2010, 182, 1498-1505.	2.5	128
62	Cluster analysis in the COPDGene study identifies subtypes of smokers with distinct patterns of airway disease and emphysema. Thorax, 2014, 69, 416-423.	2.7	128
63	A Genome-Wide Association Study of Emphysema and Airway Quantitative Imaging Phenotypes. American Journal of Respiratory and Critical Care Medicine, 2015, 192, 559-569.	2.5	128
64	Molecular networks in Network Medicine: Development and applications. Wiley Interdisciplinary Reviews: Systems Biology and Medicine, 2020, 12, e1489.	6.6	128
65	Lessons from ECLIPSE: a review of COPD biomarkers. Thorax, 2014, 69, 666-672.	2.7	125
66	TheSERPINE2Gene Is Associated with Chronic Obstructive Pulmonary Disease in Two Large Populations. American Journal of Respiratory and Critical Care Medicine, 2007, 176, 167-173.	2.5	124
67	Quantitative Computed Tomography of the Lungs and Airways in Healthy Nonsmoking Adults. Investigative Radiology, 2012, 47, 596-602.	3.5	121
68	Heritability of Chronic Obstructive Pulmonary Disease and Related Phenotypes in Smokers. American Journal of Respiratory and Critical Care Medicine, 2013, 188, 941-947.	2.5	121
69	Family-based association analysis of Î²2-adrenergic receptor polymorphisms in the childhood asthma management program. Journal of Allergy and Clinical Immunology, 2003, 112, 870-876.	1.5	119
70	A genome-wide association study identifies risk loci for spirometric measures among smokers of European and African ancestry. BMC Genetics, 2015, 16, 138.	2.7	119
71	The COPD genetic association compendium: a comprehensive online database of COPD genetic associations. Human Molecular Genetics, 2010, 19, 526-534.	1.4	118
72	Distinct Quantitative Computed Tomography Emphysema Patterns Are Associated with Physiology and Function in Smokers. American Journal of Respiratory and Critical Care Medicine, 2013, 188, 1083-1090.	2.5	118

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73	RISK FACTORS FOR THE DEVELOPMENT OF CHRONIC OBSTRUCTIVE PULMONARY DISEASE. Medical Clinics of North America, 1996, 80, 501-522.	1.1	113
74	Genetic Association Analysis of Functional Impairment in Chronic Obstructive Pulmonary Disease. American Journal of Respiratory and Critical Care Medicine, 2006, 173, 977-984.	2.5	112
75	COPDGeneÂ® 2019: Redefining the Diagnosis of Chronic Obstructive Pulmonary Disease. Chronic Obstructive Pulmonary Diseases (Miami, Fla), 2019, 6, 384-399.	0.5	112
76	Determinants of airflow obstruction in severe alpha-1-antitrypsin deficiency. Thorax, 2007, 62, 806-813.	2.7	108
77	Genome-wide linkage analysis of severe, early-onset chronic obstructive pulmonary disease: airflow obstruction and chronic bronchitis phenotypes. Human Molecular Genetics, 2002, 11, 623-632.	1.4	106
78	Interstitial Lung Abnormalities and Reduced Exercise Capacity. American Journal of Respiratory and Critical Care Medicine, 2012, 185, 756-762.	2.5	106
79	Î²-Blockers are associated with a reduction in COPD exacerbations. Thorax, 2016, 71, 8-14.	2.7	105
80	Genetics of COPD. Annual Review of Physiology, 2020, 82, 413-431.	5.6	104
81	Genome-wide Association Study Identifies BICD1 as a Susceptibility Gene for Emphysema. American Journal of Respiratory and Critical Care Medicine, 2011, 183, 43-49.	2.5	103
82	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
83	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
84	Genome-wide linkage analysis of bronchodilator responsiveness and post-bronchodilator spirometric phenotypes in chronic obstructive pulmonary disease. Human Molecular Genetics, 2003, 12, 1199-1210.	1.4	100
85	Genome-wide association study of smoking behaviours in patients with COPD. Thorax, 2011, 66, 894-902.	2.7	95
86	Molecular Biomarkers for Quantitative and Discrete COPD Phenotypes. American Journal of Respiratory Cell and Molecular Biology, 2009, 40, 359-367.	1.4	94
87	Paired inspiratory-expiratory chest CT scans to assess for small airways disease in COPD. Respiratory Research, 2013, 14, 42.	1.4	93
88	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
89	Deep Learning Enables Automatic Classification of Emphysema Pattern at CT. Radiology, 2020, 294, 434-444.	3.6	89
90	Interobserver Variability in the Determination of Upper Lobe-Predominant Emphysema. Chest, 2007, 131, 424-431.	0.4	88

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91	Sex Differences in Emphysema and Airway Disease in Smokers. Chest, 2009, 136, 1480-1488.	0.4	88
92	Common Genetic Polymorphisms Influence Blood Biomarker Measurements in COPD. PLoS Genetics, 2016, 12, e1006011.	1.5	88
93	CT Metrics of Airway Disease and Emphysema in Severe COPD. Chest, 2009, 136, 396-404.	0.4	87
94	The Association of Genome-Wide Significant Spirometric Loci with Chronic Obstructive Pulmonary Disease Susceptibility. American Journal of Respiratory Cell and Molecular Biology, 2011, 45, 1147-1153.	1.4	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. American Journal of Respiratory and Critical Care Medicine, 2014, 189, 408-418.	2.5	87
96	Polymorphisms in Surfactant Proteinâ€“D Are Associated with Chronic Obstructive Pulmonary Disease. American Journal of Respiratory Cell and Molecular Biology, 2011, 44, 316-322.	1.4	83
97	The value of blood cytokines and chemokines in assessing COPD. Respiratory Research, 2017, 18, 180.	1.4	83
98	The genetics of chronic obstructive pulmonary disease. Respiratory Research, 2001, 2, 20.	1.4	82
99	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, 785-792.	2.5	82
100	A Functional Mutation in the Terminal Exon of Elastin in Severe, Early-Onset Chronic Obstructive Pulmonary Disease. American Journal of Respiratory Cell and Molecular Biology, 2005, 33, 355-362.	1.4	80
101	T-Bet Polymorphisms Are Associated with Asthma and Airway Hyperresponsiveness. American Journal of Respiratory and Critical Care Medicine, 2006, 173, 64-70.	2.5	78
102	Î±; 1 -Antitrypsin Protease Inhibitor MZ Heterozygosity Is Associated With Airflow Obstruction in Two Large Cohorts. Chest, 2010, 138, 1125-1132.	0.4	77
103	Genome-Wide Association Identifies Regulatory Loci Associated with Distinct Local Histogram Emphysema Patterns. American Journal of Respiratory and Critical Care Medicine, 2014, 190, 399-409.	2.5	77
104	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
105	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
106	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
107	CHRNA3/5, IREB2, and ADCY2 Are Associated with Severe Chronic Obstructive Pulmonary Disease in Poland. American Journal of Respiratory Cell and Molecular Biology, 2012, 47, 203-208.	1.4	75
108	Network medicine approaches to the genetics of complex diseases. Discovery Medicine, 2012, 14, 143-52.	0.5	75

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109	Predictors of Survival in Severe, Early Onset COPD. Chest, 2004, 126, 1443-1451.	0.4	74
110	Progress in Chronic Obstructive Pulmonary Disease Genetics. Proceedings of the American Thoracic Society, 2006, 3, 405-408.	3.5	73
111	DNA methylation profiling in human lung tissue identifies genes associated with COPD. Epigenetics, 2016, 11, 730-739.	1.3	73
112	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
113	IL10 Polymorphisms Are Associated with Airflow Obstruction in Severe Î±₁-Antitrypsin Deficiency. American Journal of Respiratory Cell and Molecular Biology, 2008, 38, 114-120.	1.4	72
114	Cluster analysis in severe emphysema subjects using phenotype and genotype data: an exploratory investigation. Respiratory Research, 2010, 11, 30.	1.4	72
115	Prediction of Acute Respiratory Disease in Current and Former Smokers With and Without COPD. Chest, 2014, 146, 941-950.	0.4	71
116	Genetic influences on chronic obstructive pulmonary disease â€“ A twin study. Respiratory Medicine, 2010, 104, 1890-1895.	1.3	69
117	Dissecting direct and indirect genetic effects on chronic obstructive pulmonary disease (COPD) susceptibility. Human Genetics, 2013, 132, 431-441.	1.8	69
118	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
119	Desmoplakin Variants Are Associated with Idiopathic Pulmonary Fibrosis. American Journal of Respiratory and Critical Care Medicine, 2016, 193, 1151-1160.	2.5	68
120	SOX5 Is a Candidate Gene for Chronic Obstructive Pulmonary Disease Susceptibility and Is Necessary for Lung Development. American Journal of Respiratory and Critical Care Medicine, 2011, 183, 1482-1489.	2.5	67
121	Itâ€™s more than low BMI: prevalence of cachexia and associated mortality in COPD. Respiratory Research, 2019, 20, 100.	1.4	66
122	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
123	The clinical impact of non-obstructive chronic bronchitis in current and former smokers. Respiratory Medicine, 2014, 108, 491-499.	1.3	65
124	Do COPD subtypes really exist? COPD heterogeneity and clustering in 10 independent cohorts. Thorax, 2017, 72, 998-1006.	2.7	65
125	Machine Learning and Prediction of All-Cause Mortality in COPD. Chest, 2020, 158, 952-964.	0.4	62
126	Genome-wide Linkage of Forced Mid-expiratory Flow in Chronic Obstructive Pulmonary Disease. American Journal of Respiratory and Critical Care Medicine, 2004, 170, 1294-1301.	2.5	61

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127	Haploinsufficiency of Hedgehog interacting protein causes increased emphysema induced by cigarette smoke through network rewiring. Genome Medicine, 2015, 7, 12.	3.6	61
128	A Family Study of the Variability of Pulmonary Function in Î±1-Antitrypsin Deficiency: Quantitative Phenotypes. The American Review of Respiratory Disease, 1990, 142, 1015-1021.	2.9	60
129	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
130	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
131	Subtyping COPD by Using Visual and Quantitative CT Imaging Features. Chest, 2020, 157, 47-60.	0.4	60
132	Genetics of Sputum Gene Expression in Chronic Obstructive Pulmonary Disease. PLoS ONE, 2011, 6, e24395.	1.1	59
133	A Simplified Score to Quantify Comorbidity in COPD. PLoS ONE, 2014, 9, e114438.	1.1	58
134	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
135	Sex-specific features of emphysema among current and former smokers with COPD. European Respiratory Journal, 2016, 47, 104-112.	3.1	55
136	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
137	The MUC5B promoter polymorphism is associated with specific interstitial lung abnormality subtypes. European Respiratory Journal, 2017, 50, 1700537.	3.1	55
138	Network Medicine. , 2017, , .		55
139	Chest computed tomography-derived lowÂfat-free mass index and mortality inÂCOPD. European Respiratory Journal, 2017, 50, 1701134.	3.1	53
140	Clinical Epidemiology of COPD. Chest, 2019, 156, 228-238.	0.4	53
141	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
142	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
143	Genetic susceptibility for chronic bronchitis in chronic obstructive pulmonary disease. Respiratory Research, 2014, 15, 113.	1.4	51
144	Î±1-Antitrypsin Augmentation Therapy for PI*MZ Heterozygotes. Chest, 2008, 134, 831-834.	0.4	50

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145	Genome-Wide Association Analysis of Body Mass in Chronic Obstructive Pulmonary Disease. American Journal of Respiratory Cell and Molecular Biology, 2011, 45, 304-310.	1.4	50
146	Association Between Airway Caliber Changes With Lung Inflation and Emphysema Assessed by Volumetric CT Scan in Subjects With COPD. Chest, 2012, 141, 736-744.	0.4	50
147	Epigenetics and pulmonary diseases in the horizon of precision medicine: a review. European Respiratory Journal, 2021, 57, 2003406.	3.1	50
148	Family study of Î±1-antitrypsin deficiency: Effects of cigarette smoking, measured genotype, and their interaction on pulmonary function and biochemical traits. Genetic Epidemiology, 1992, 9, 317-331.	0.6	49
149	Family History Is a Risk Factor for COPD. Chest, 2011, 140, 343-350.	0.4	49
150	COPD subtypes identified by network-based clustering of blood gene expression. Genomics, 2016, 107, 51-58.	1.3	49
151	Genetics of COPD and Emphysema. Chest, 2009, 136, 859-866.	0.4	48
152	RNA sequencing identifies novel non-coding RNA and exon-specific effects associated with cigarette smoking. BMC Medical Genomics, 2017, 10, 58.	0.7	48
153	Sexually-dimorphic targeting of functionally-related genes in COPD. BMC Systems Biology, 2014, 8, 118.	3.0	47
154	Gene expression analysis uncovers novel hedgehog interacting protein (HHIP) effects in human bronchial epithelial cells. Genomics, 2013, 101, 263-272.	1.3	46
155	Exome Sequencing Analysis in Severe, Early-Onset Chronic Obstructive Pulmonary Disease. American Journal of Respiratory and Critical Care Medicine, 2016, 193, 1353-1363.	2.5	46
156	Elevated circulating MMP-9 is linked to increased COPD exacerbation risk in SPIROMICS and COPDGene. JCI Insight, 2018, 3, .	2.3	46
157	On the simultaneous association analysis of large genomic regions: a massive multi-locus association test. Bioinformatics, 2014, 30, 157-164.	1.8	45
158	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
159	Machine Learning Characterization of COPD Subtypes. Chest, 2020, 157, 1147-1157.	0.4	44
160	Opportunities and Challenges in the Genetics of COPD 2010: An International COPD Genetics Conference Report. COPD: Journal of Chronic Obstructive Pulmonary Disease, 2011, 8, 121-135.	0.7	43
161	Genetic control of gene expression at novel and established chronic obstructive pulmonary disease loci. Human Molecular Genetics, 2015, 24, 1200-1210.	1.4	43
162	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

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163	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
164	Population sequencing data reveal a compendium of mutational processes in the human germ line. Science, 2021, 373, 1030-1035.	6.0	43
165	Epidemiology, radiology, and genetics of nicotine dependence in COPD. Respiratory Research, 2011, 12, 9.	1.4	42
166	Chronic Obstructive Pulmonary Disease Genetics: A Review of the Past and a Look Into the Future. Chronic Obstructive Pulmonary Diseases (Miami, Fla), 2014, 1, 33-46.	0.5	42
167	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
168	A Genome-Wide Association Study of Chronic Obstructive Pulmonary Disease in Hispanics. Annals of the American Thoracic Society, 2015, 12, 340-348.	1.5	41
169	Pectoralis muscle area and mortality in smokers without airflow obstruction. Respiratory Research, 2018, 19, 62.	1.4	41
170	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
171	Transforming Growth Factor-Î² Receptor-3 Is Associated with Pulmonary Emphysema. American Journal of Respiratory Cell and Molecular Biology, 2009, 41, 324-331.	1.4	40
172	Integration of Molecular Interactome and Targeted Interaction Analysis to Identify a COPD Disease Network Module. Scientific Reports, 2018, 8, 14439.	1.6	40
173	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
174	A comparison of visual and quantitative methods to identify interstitial lung abnormalities. BMC Pulmonary Medicine, 2015, 15, 134.	0.8	39
175	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
176	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
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