Edwin K Silverman

List of Publications by Citations

316 papers	21,208 citations	78 h-index	137 g-index
343 ext. papers	26,324 ext. citations	9 avg, IF	6.35 L-index

#	Paper	IF	Citations
316	Characterisation of COPD heterogeneity in the ECLIPSE cohort. *Respiratory Research*, **2010**, 11, 122	7.3	752
315	Genetic epidemiology of COPD (COPDGene) study design. *COPD: Journal of Chronic Obstructive Pulmonary Disease*, **2010**, 7, 32-43	2	749
314	Chronic obstructive pulmonary disease phenotypes: the future of COPD. *American Journal of Respiratory and Critical Care Medicine*, **2010**, 182, 598-604	10.2	678
313	Changes in forced expiratory volume in 1 second over time in COPD. *New England Journal of Medicine*, **2011**, 365, 1184-92	59.2	654
312	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	10.2	602
311	A genome-wide association study in chronic obstructive pulmonary disease (COPD): identification of two major susceptibility loci. *PLoS Genetics*, **2009**, 5, e1000421	6	537
310	Persistent systemic inflammation is associated with poor clinical outcomes in COPD: a novel phenotype. *PLoS ONE*, **2012**, 7, e37483	3.7	521
309	Family-based tests for associating haplotypes with general phenotype data: application to asthma genetics. *Genetic Epidemiology*, **2004**, 26, 61-9	2.6	371
308	Lung volumes and emphysema in smokers with interstitial lung abnormalities. *New England Journal of Medicine*, **2011**, 364, 897-906	59.2	350
307	Pulmonary arterial enlargement and acute exacerbations of COPD. *New England Journal of Medicine*, **2012**, 367, 913-21	59.2	316
306	The clinical features of the overlap between COPD and asthma. *Respiratory Research*, **2011**, 12, 127	7.3	308
305	Clinical practice. Alpha1-antitrypsin deficiency. *New England Journal of Medicine*, **2009**, 360, 2749-57	59.2	304
304	Variants in FAM13A are associated with chronic obstructive pulmonary disease. *Nature Genetics*, **2010**, 42, 200-2	36.3	295
303	CT-Definable Subtypes of Chronic Obstructive Pulmonary Disease: A Statement of the Fleischner Society. *Radiology*, **2015**, 277, 192-205	20.5	273
302	Chronic obstructive pulmonary disease. *Nature Reviews Disease Primers*, **2015**, 1, 15076	51.1	270
301	Sequencing of 53,831 diverse genomes from the NHLBI TOPMed Program. *Nature*, **2021**, 590, 290-299	50.4	268
300	MMP12, lung function, and COPD in high-risk populations. *New England Journal of Medicine*, **2009**, 361, 2599-608	59.2	257

299	Clinical and Radiologic Disease in Smokers With Normal Spirometry. *JAMA Internal Medicine*, **2015**, 175, 1539-49	11.5	243
298	A genome-wide association study of pulmonary function measures in the Framingham Heart Study. *PLoS Genetics*, **2009**, 5, e1000429	6	242
297	PBAT: tools for family-based association studies. *American Journal of Human Genetics*, **2004**, 74, 367-9	11	242
296	Association Between Telomere Length and Risk of Cancer and Non-Neoplastic Diseases: A Mendelian Randomization Study. *JAMA Oncology*, **2017**, 3, 636-651	13.4	236
295	Airway wall thickening and emphysema show independent familial aggregation in chronic obstructive pulmonary disease. *American Journal of Respiratory and Critical Care Medicine*, **2008**, 178, 500-5	10.2	235
294	The chronic bronchitic phenotype of COPD: an analysis of the COPDGene Study. *Chest*, **2011**, 140, 626-633	5.3	229
293	Association Between Interstitial Lung Abnormalities and All-Cause Mortality. *JAMA - Journal of the American Medical Association*, **2016**, 315, 672-81	27.4	209
292	Risk loci for chronic obstructive pulmonary disease: a genome-wide association study and meta-analysis. *Lancet Respiratory Medicine,the*, **2014**, 2, 214-25	35.1	208
291	The clinical and genetic features of COPD-asthma overlap syndrome. *European Respiratory Journal*, **2014**, 44, 341-50	13.6	205
290	Genetic loci associated with chronic obstructive pulmonary disease overlap with loci for lung function and pulmonary fibrosis. *Nature Genetics*, **2017**, 49, 426-432	36.3	201
289	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
288	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, 129-36	35.1	183
287	A genome-wide association study of COPD identifies a susceptibility locus on chromosome 19q13. *Human Molecular Genetics*, **2012**, 21, 947-57	5.6	181
286	The transforming growth factor-beta1 (TGFB1) gene is associated with chronic obstructive pulmonary disease (COPD). *Human Molecular Genetics*, **2004**, 13, 1649-56	5.6	176
285	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	36.3	170
284	New genetic signals for lung function highlight pathways and chronic obstructive pulmonary disease associations across multiple ancestries. *Nature Genetics*, **2019**, 51, 481-493	36.3	156
283	Attempted replication of reported chronic obstructive pulmonary disease candidate gene associations. *American Journal of Respiratory Cell and Molecular Biology*, **2005**, 33, 71-8	5.7	155
282	Alpha-1-antitrypsin deficiency. High prevalence in the St. Louis area determined by direct population screening. *The American Review of Respiratory Disease*, **1989**, 140, 961-6		150

281	Genomewide linkage analysis of quantitative spirometric phenotypes in severe early-onset chronic obstructive pulmonary disease. *American Journal of Human Genetics*, **2002**, 70, 1229-39	11	149
280	The SERPINE2 gene is associated with chronic obstructive pulmonary disease. *American Journal of Human Genetics*, **2006**, 78, 253-64	11	143
279	Mitochondrial iron chelation ameliorates cigarette smoke-induced bronchitis and emphysema in mice. *Nature Medicine*, **2016**, 22, 163-74	50.5	136
278	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, 414-20	10.2	135
277	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, 622-32	10.2	131
276	Inherited causes of clonal haematopoiesis in 97,691 whole genomes. *Nature*, **2020**, 586, 763-768	50.4	127
275	Case-control association studies for the genetics of complex respiratory diseases. *American Journal of Respiratory Cell and Molecular Biology*, **2000**, 22, 645-8	5.7	125
274	Clarification of the risk of chronic obstructive pulmonary disease in α1-antitrypsin deficiency PiMZ heterozygotes. *American Journal of Respiratory and Critical Care Medicine*, **2014**, 189, 419-27	10.2	124
273	Genetic landscape of chronic obstructive pulmonary disease identifies heterogeneous cell-type and phenotype associations. *Nature Genetics*, **2019**, 51, 494-505	36.3	119
272	Coronary artery calcification is increased in patients with COPD and associated with increased morbidity and mortality. *Thorax*, **2014**, 69, 718-23	7.3	118
271	Identification of a chronic obstructive pulmonary disease genetic determinant that regulates HHIP. *Human Molecular Genetics*, **2012**, 21, 1325-35	5.6	118
270	Integration of genomic and genetic approaches implicates IREB2 as a COPD susceptibility gene. *American Journal of Human Genetics*, **2009**, 85, 493-502	11	118
269	Genetic determinants of emphysema distribution in the national emphysema treatment trial. *American Journal of Respiratory and Critical Care Medicine*, **2007**, 176, 42-8	10.2	116
268	Variability of pulmonary function in alpha-1-antitrypsin deficiency: clinical correlates. *Annals of Internal Medicine*, **1989**, 111, 982-91	8	114
267	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, 1498-505	10.2	111
266	The SERPINE2 gene is associated with chronic obstructive pulmonary disease in two large populations. *American Journal of Respiratory and Critical Care Medicine*, **2007**, 176, 167-73	10.2	111
265	Telomerase mutations in smokers with severe emphysema. *Journal of Clinical Investigation*, **2015**, 125, 563-70	15.9	111
264	Family-based association analysis of beta2-adrenergic receptor polymorphisms in the childhood asthma management program. *Journal of Allergy and Clinical Immunology*, **2003**, 112, 870-6	11.5	110

263	Epidemiology, genetics, and subtyping of preserved ratio impaired spirometry (PRISm) in COPDGene. *Respiratory Research*, **2014**, 15, 89	7.3	109
262	A disease module in the interactome explains disease heterogeneity, drug response and captures novel pathways and genes in asthma. *Human Molecular Genetics*, **2015**, 24, 3005-20	5.6	108
261	Clinical and radiographic predictors of GOLD-unclassified smokers in the COPDGene study. *American Journal of Respiratory and Critical Care Medicine*, **2011**, 184, 57-63	10.2	106
260	A Genome-Wide Association Study of Emphysema and Airway Quantitative Imaging Phenotypes. *American Journal of Respiratory and Critical Care Medicine*, **2015**, 192, 559-69	10.2	103
259	The Undiagnosed Diseases Network: Accelerating Discovery about Health and Disease. *American Journal of Human Genetics*, **2017**, 100, 185-192	11	102
258	Lessons from ECLIPSE: a review of COPD biomarkers. *Thorax*, **2014**, 69, 666-72	7.3	102
257	The COPD genetic association compendium: a comprehensive online database of COPD genetic associations. *Human Molecular Genetics*, **2010**, 19, 526-34	5.6	101
256	Genetic association analysis of functional impairment in chronic obstructive pulmonary disease. *American Journal of Respiratory and Critical Care Medicine*, **2006**, 173, 977-84	10.2	100
255	Quantitative computed tomography of the lungs and airways in healthy nonsmoking adults. *Investigative Radiology*, **2012**, 47, 596-602	10.1	99
254	Blood eosinophil count thresholds and exacerbations in patients with chronic obstructive pulmonary disease. *Journal of Allergy and Clinical Immunology*, **2018**, 141, 2037-2047.e10	11.5	95
253	Distinct quantitative computed tomography emphysema patterns are associated with physiology and function in smokers. *American Journal of Respiratory and Critical Care Medicine*, **2013**, 188, 1083-90	10.2	95
252	Cluster analysis in the COPDGene study identifies subtypes of smokers with distinct patterns of airway disease and emphysema. *Thorax*, **2014**, 69, 415-22	7.3	94
251	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	6	90
250	PRIMUS: rapid reconstruction of pedigrees from genome-wide estimates of identity by descent. *American Journal of Human Genetics*, **2014**, 95, 553-64	11	88
249	Genome-wide association study identifies BICD1 as a susceptibility gene for emphysema. *American Journal of Respiratory and Critical Care Medicine*, **2011**, 183, 43-9	10.2	88
248	Genome-wide linkage analysis of severe, early-onset chronic obstructive pulmonary disease: airflow obstruction and chronic bronchitis phenotypes. *Human Molecular Genetics*, **2002**, 11, 623-32	5.6	86
247	A genome-wide association study identifies risk loci for spirometric measures among smokers of European and African ancestry. *BMC Genetics*, **2015**, 16, 138	2.6	84
246	Molecular biomarkers for quantitative and discrete COPD phenotypes. *American Journal of Respiratory Cell and Molecular Biology*, **2009**, 40, 359-67	5.7	84

245	Genome-wide linkage analysis of bronchodilator responsiveness and post-bronchodilator spirometric phenotypes in chronic obstructive pulmonary disease. *Human Molecular Genetics*, **2003**, 12, 1199-210	5.6	83
244	Interobserver variability in the determination of upper lobe-predominant emphysema. *Chest*, **2007**, 131, 424-31	5.3	80
243	CT-based Visual Classification of Emphysema: Association with Mortality in the COPDGene Study. *Radiology*, **2018**, 288, 859-866	20.5	80
242	Blockers are associated with a reduction in COPD exacerbations. *Thorax*, **2016**, 71, 8-14	7.3	78
241	Genome-wide association study of smoking behaviours in patients with COPD. *Thorax*, **2011**, 66, 894-902	7.3	78
240	CT metrics of airway disease and emphysema in severe COPD. *Chest*, **2009**, 136, 396-404	5.3	78
239	Determinants of airflow obstruction in severe alpha-1-antitrypsin deficiency. *Thorax*, **2007**, 62, 806-13	7.3	78
238	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, 408-18	10.2	77
237	Sex differences in emphysema and airway disease in smokers. *Chest*, **2009**, 136, 1480-1488	5.3	76
236	The association of genome-wide significant spirometric loci with chronic obstructive pulmonary disease susceptibility. *American Journal of Respiratory Cell and Molecular Biology*, **2011**, 45, 1147-53	5.7	75
235	Association Between Titin Loss-of-Function Variants and Early-Onset Atrial Fibrillation. *JAMA - Journal of the American Medical Association*, **2018**, 320, 2354-2364	27.4	75
234	A Chronic Obstructive Pulmonary Disease Susceptibility Gene, FAM13A, Regulates Protein Stability of Catenin. *American Journal of Respiratory and Critical Care Medicine*, **2016**, 194, 185-97	10.2	74
233	Interstitial lung abnormalities and reduced exercise capacity. *American Journal of Respiratory and Critical Care Medicine*, **2012**, 185, 756-62	10.2	74
232	T-bet polymorphisms are associated with asthma and airway hyperresponsiveness. *American Journal of Respiratory and Critical Care Medicine*, **2006**, 173, 64-70	10.2	74
231	Risk factors for the development of chronic obstructive pulmonary disease. *Medical Clinics of North America*, **1996**, 80, 501-22	7	74
230	Paired inspiratory-expiratory chest CT scans to assess for small airways disease in COPD. *Respiratory Research*, **2013**, 14, 42	7.3	73
229	Heritability of chronic obstructive pulmonary disease and related phenotypes in smokers. *American Journal of Respiratory and Critical Care Medicine*, **2013**, 188, 941-7	10.2	73
228	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

227	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, 203-8	5.7	67
226	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, 355-62	5.7	66
225	Antitrypsin protease inhibitor MZ heterozygosity is associated with airflow obstruction in two large cohorts. *Chest*, **2010**, 138, 1125-32	5.3	64
224	The genetics of chronic obstructive pulmonary disease. *Respiratory Research*, **2001**, 2, 20-6	7.3	64
223	Common Genetic Polymorphisms Influence Blood Biomarker Measurements in COPD. *PLoS Genetics* , **2016**, 12, e1006011	6	64
222	IL10 polymorphisms are associated with airflow obstruction in severe alpha1-antitrypsin deficiency. *American Journal of Respiratory Cell and Molecular Biology*, **2008**, 38, 114-20	5.7	63
221	Predictors of survival in severe, early onset COPD. *Chest*, **2004**, 126, 1443-51	5.3	63
220	Molecular networks in Network Medicine: Development and applications. *Wiley Interdisciplinary Reviews: Systems Biology and Medicine*, **2020**, 12, e1489	6.6	63
219	The value of blood cytokines and chemokines in assessing COPD. *Respiratory Research*, **2017**, 18, 180	7.3	62
218	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	10.2	62
217	Prediction of acute respiratory disease in current and former smokers with and without COPD. *Chest*, **2014**, 146, 941-950	5.3	61
216	Polymorphisms in surfactant protein-D are associated with chronic obstructive pulmonary disease. *American Journal of Respiratory Cell and Molecular Biology*, **2011**, 44, 316-22	5.7	61
215	Cluster analysis in severe emphysema subjects using phenotype and genotype data: an exploratory investigation. *Respiratory Research*, **2010**, 11, 30	7.3	61
214	COPDGene 2019: Redefining the Diagnosis of Chronic Obstructive Pulmonary Disease. *Chronic Obstructive Pulmonary Diseases (Miami, Fla)*, **2019**, 6, 384-399	2.7	61
213	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	10.2	59
212	Dissecting direct and indirect genetic effects on chronic obstructive pulmonary disease (COPD) susceptibility. *Human Genetics*, **2013**, 132, 431-41	6.3	59
211	Progress in chronic obstructive pulmonary disease genetics. *Proceedings of the American Thoracic Society*, **2006**, 3, 405-8		58
210	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	4.9	57

209	Genome-wide linkage of forced mid-expiratory flow in chronic obstructive pulmonary disease. *American Journal of Respiratory and Critical Care Medicine*, **2004**, 170, 1294-301	10.2	54
208	Network medicine approaches to the genetics of complex diseases. *Discovery Medicine*, **2012**, 14, 143-52	2.5	54
207	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	10.2	53
206	A family study of the variability of pulmonary function in alpha 1-antitrypsin deficiency. Quantitative phenotypes. *The American Review of Respiratory Disease*, **1990**, 142, 1015-21		53
205	The clinical impact of non-obstructive chronic bronchitis in current and former smokers. *Respiratory Medicine*, **2014**, 108, 491-9	4.6	52
204	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, 1482-9	10.2	50
203	DNA methylation profiling in human lung tissue identifies genes associated with COPD. *Epigenetics*, **2016**, 11, 730-739	5.7	48
202	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
201	Genetics of sputum gene expression in chronic obstructive pulmonary disease. *PLoS ONE*, **2011**, 6, e24395	3.7	48
200	Desmoplakin Variants Are Associated with Idiopathic Pulmonary Fibrosis. *American Journal of Respiratory and Critical Care Medicine*, **2016**, 193, 1151-60	10.2	46
199	Haploinsufficiency of Hedgehog interacting protein causes increased emphysema induced by cigarette smoke through network rewiring. *Genome Medicine*, **2015**, 7, 12	14.4	45
198	On the simultaneous association analysis of large genomic regions: a massive multi-locus association test. *Bioinformatics*, **2014**, 30, 157-64	7.2	45
197	Genetic influences on Chronic Obstructive Pulmonary Disease - a twin study. *Respiratory Medicine*, **2010**, 104, 1890-5	4.6	45
196	A simplified score to quantify comorbidity in COPD. *PLoS ONE*, **2014**, 9, e114438	3.7	44
195	Hhip haploinsufficiency sensitizes mice to age-related emphysema. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, E4681-7	11.5	43
194	Genome-wide association analysis of body mass in chronic obstructive pulmonary disease. *American Journal of Respiratory Cell and Molecular Biology*, **2011**, 45, 304-10	5.7	43
193	Association between airway caliber changes with lung inflation and emphysema assessed by volumetric CT scan in subjects with COPD. *Chest*, **2012**, 141, 736-744	5.3	43
192	alpha1-Antitrypsin augmentation therapy for PI*MZ heterozygotes: a cautionary note. *Chest*, **2008**, 134, 831-834	5.3	43

191	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
190	Sarcopenic Obesity, Functional Outcomes, and Systemic Inflammation in Patients With Chronic Obstructive Pulmonary Disease. *Journal of the American Medical Directors Association*, **2016**, 17, 712-8	5.9	41
189	Do COPD subtypes really exist? COPD heterogeneity and clustering in 10 independent cohorts. *Thorax*, **2017**, 72, 998-1006	7.3	40
188	Genetics of COPD and emphysema. *Chest*, **2009**, 136, 859-866	5.3	40
187	Deep Learning Enables Automatic Classification of Emphysema Pattern at CT. *Radiology*, **2020**, 294, 434-444	20.5	40
186	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	4.7	39
185	Genetic susceptibility for chronic bronchitis in chronic obstructive pulmonary disease. *Respiratory Research*, **2014**, 15, 113	7.3	39
184	Sexually-dimorphic targeting of functionally-related genes in COPD. *BMC Systems Biology*, **2014**, 8, 118	3.5	38
183	Opportunities and challenges in the genetics of COPD 2010: an International COPD Genetics Conference report. *COPD: Journal of Chronic Obstructive Pulmonary Disease*, **2011**, 8, 121-35	2	38
182	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	5.7	37
181	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	10.2	37
180	Sex-specific features of emphysema among current and former smokers with COPD. *European Respiratory Journal*, **2016**, 47, 104-12	13.6	37
179	Overlap of Genetic Risk between Interstitial Lung Abnormalities and Idiopathic Pulmonary Fibrosis. *American Journal of Respiratory and Critical Care Medicine*, **2019**, 200, 1402-1413	10.2	37
178	Gene expression analysis uncovers novel hedgehog interacting protein (HHIP) effects in human bronchial epithelial cells. *Genomics*, **2013**, 101, 263-72	4.3	37
177	Epidemiology, radiology, and genetics of nicotine dependence in COPD. *Respiratory Research*, **2011**, 12, 9	7.3	36
176	Network Medicine **2017**,		36
175	Genetics of COPD. *Annual Review of Physiology*, **2020**, 82, 413-431	23.1	36
174	A genome-wide association study of chronic obstructive pulmonary disease in Hispanics. *Annals of the American Thoracic Society*, **2015**, 12, 340-8	4.7	35

173	Exome Sequencing Analysis in Severe, Early-Onset Chronic Obstructive Pulmonary Disease. *American Journal of Respiratory and Critical Care Medicine*, **2016**, 193, 1353-63	10.2	35
172	It's more than low BMI: prevalence of cachexia and associated mortality in COPD. *Respiratory Research*, **2019**, 20, 100	7.3	34
171	The promoter polymorphism is associated with specific interstitial lung abnormality subtypes. *European Respiratory Journal*, **2017**, 50,	13.6	34
170	Family history is a risk factor for COPD. *Chest*, **2011**, 140, 343-350	5.3	34
169	Family study of alpha 1-antitrypsin deficiency: effects of cigarette smoking, measured genotype, and their interaction on pulmonary function and biochemical traits. *Genetic Epidemiology*, **1992**, 9, 317-31	2.6	34
168	Genetic control of gene expression at novel and established chronic obstructive pulmonary disease loci. *Human Molecular Genetics*, **2015**, 24, 1200-10	5.6	33
167	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
166	Transforming growth factor-beta receptor-3 is associated with pulmonary emphysema. *American Journal of Respiratory Cell and Molecular Biology*, **2009**, 41, 324-31	5.7	33
165	Genetic Advances in Chronic Obstructive Pulmonary Disease. Insights from COPDGene. *American Journal of Respiratory and Critical Care Medicine*, **2019**, 200, 677-690	10.2	31
164	Variability of pulmonary function in alpha-1-antitrypsin deficiency: residual family resemblance beyond the effect of the Pi locus. *Human Heredity*, **1990**, 40, 340-55	1.1	31
163	COPD subtypes identified by network-based clustering of blood gene expression. *Genomics*, **2016**, 107, 51-58	4.3	30
162	RNA sequencing identifies novel non-coding RNA and exon-specific effects associated with cigarette smoking. *BMC Medical Genomics*, **2017**, 10, 58	3.7	29
161	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	10.2	29
160	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, 1366-72	7.2	29
159	Clinical Epidemiology of COPD: Insights From 10 Years of the COPDGene Study. *Chest*, **2019**, 156, 228-238	5.3	29
158	Chest computed tomography-derived low fat-free mass index and mortality in COPD. *European Respiratory Journal*, **2017**, 50,	13.6	29
157	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	35.1	29
156	Multistudy fine mapping of chromosome 2q identifies XRCC5 as a chronic obstructive pulmonary disease susceptibility gene. *American Journal of Respiratory and Critical Care Medicine*, **2010**, 182, 605-13	10.2	28

155	Genetic linkage and association analysis of COPD-related traits on chromosome 8p. *COPD: Journal of Chronic Obstructive Pulmonary Disease*, **2006**, 3, 189-94	2	28
154	A comparison of visual and quantitative methods to identify interstitial lung abnormalities. *BMC Pulmonary Medicine*, **2015**, 15, 134	3.5	27
153	Peripheral blood gene expression profiles in COPD subjects. *Journal of Clinical Bioinformatics*, **2011**, 1, 12		27
152	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	2.7	27
151	Persistent and Newly Developed Chronic Bronchitis Are Associated with Worse Outcomes in Chronic Obstructive Pulmonary Disease. *Annals of the American Thoracic Society*, **2016**, 13, 1016-25	4.7	27
150	Analyzing networks of phenotypes in complex diseases: methodology and applications in COPD. *BMC Systems Biology*, **2014**, 8, 78	3.5	26
149	Subtyping COPD by Using Visual and Quantitative CT Imaging Features. *Chest*, **2020**, 157, 47-60	5.3	25
148	Pectoralis muscle area and mortality in smokers without airflow obstruction. *Respiratory Research*, **2018**, 19, 62	7.3	24
147	National Emphysema Treatment Trial state of the art: genetics of emphysema. *Proceedings of the American Thoracic Society*, **2008**, 5, 486-93		24
146	Exacerbations in chronic obstructive pulmonary disease: do they contribute to disease progression?. *Proceedings of the American Thoracic Society*, **2007**, 4, 586-90		24
145	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	29.5	24
144	IREB2 and GALC are associated with pulmonary artery enlargement in chronic obstructive pulmonary disease. *American Journal of Respiratory Cell and Molecular Biology*, **2015**, 52, 365-76	5.7	23
143	Lobar Emphysema Distribution Is Associated With 5-Year Radiological Disease Progression. *Chest*, **2018**, 153, 65-76	5.3	23
142	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	10.2	23
141	Transcriptomic Analysis of Lung Tissue from Cigarette Smoke-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	5.7	22
140	Phenotypic and genetic heterogeneity among subjects with mild airflow obstruction in COPDGene. *Respiratory Medicine*, **2014**, 108, 1469-80	4.6	22
139	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	5.7	22
138	Mortality and Exacerbations by Global Initiative for Chronic Obstructive Lung Disease Groups ABCD: 2011 Versus 2017 in the COPDGene Cohort. *Chronic Obstructive Pulmonary Diseases (Miami, Fla)*, **2019**, 6, 64-73	2.7	22

137	Childhood asthma is associated with COPD and known asthma variants in COPDGene: a genome-wide association study. *Respiratory Research*, **2018**, 19, 209	7.3	22
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135	Genetics of chronic obstructive pulmonary disease. *Seminars in Respiratory and Critical Care Medicine*, **2003**, 24, 151-60	3.9	21
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28	Genetic determinants of telomere length from 109,122 ancestrally diverse whole-genome sequences in TOPMed.. *Cell Genomics*, **2022**, 2, 100084-100084		1
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List of Publications

11	Improved prediction of smoking status via isoform-aware RNA-seq deep learning models. *PLoS Computational Biology*, **2021**, 17, e1009433	5	0
10	Genetic Variation in the Mitochondrial Glycerol-3-Phosphate Acyltransferase Is Associated With Liver Injury. *Hepatology*, **2021**, 74, 3394-3408	11.2	0
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8	Lung tissue shows divergent gene expression between chronic obstructive pulmonary disease and idiopathic pulmonary fibrosis.. *Respiratory Research*, **2022**, 23, 97	7.3	0
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6	Genetics of Asthma and COPD **2009**, 37-51		
5	A multidisciplinary approach to a better understanding of and therapy for chronic obstructive pulmonary disease. *Journal of Organ Dysfunction*, **2006**, 2, 176-182		
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3	Using Network Methodology to Infer Population Substructure. *PLoS ONE*, **2015**, 10, e0130708	3.7	
2	Covariate adjustment of spirometric and smoking phenotypes: The potential of neural network models.. *PLoS ONE*, **2022**, 17, e0266752	3.7	
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