Brian D Hobbs

List of Publications by Year in Descending Order

62 papers	1,595 citations	19 h-index	39 g-index
87 ext. papers	2,491 ext. citations	9.9 avg, IF	4.06 L-index

#	Paper	IF	Citations
62	Recent advancements in understanding the genetic involvement of alpha-1 antitrypsin deficiency associated lung disease: a look at future precision medicine approaches.. *Expert Review of Respiratory Medicine*, **2022**, 1-10	3.8	
61	Lung tissue shows divergent gene expression between chronic obstructive pulmonary disease and idiopathic pulmonary fibrosis.. *Respiratory Research*, **2022**, 23, 97	7.3	0
60	Genetics of chronic obstructive pulmonary disease: understanding the pathobiology and heterogeneity of a complex disorder.. *Lancet Respiratory Medicine,the*, **2022**,	35.1	7
59	Alternative poly-adenylation modulates 1-antitrypsin expression in chronic obstructive pulmonary disease. *PLoS Genetics*, **2021**, 17, e1009912	6	1
58	Metabo-Endotypes of Asthma Reveal Differences in Lung Function: Discovery and Validation in two TOPMed Cohorts. *American Journal of Respiratory and Critical Care Medicine*, **2021**,	10.2	3
57	Identifying miRNA-mRNA Networks Associated With COPD Phenotypes. *Frontiers in Genetics*, **2021**, 12, 748356	4.5	2
56	Heterozygosity of the Alpha 1-Antitrypsin Pi*Z Allele and Risk of Liver Disease. *Hepatology Communications*, **2021**, 5, 1348-1361	6	4
55	Whole-genome sequencing association analysis of quantitative red blood cell phenotypes: The NHLBI TOPMed program. *American Journal of Human Genetics*, **2021**, 108, 874-893	11	5
54	Commercially Available Blocking Oligonucleotides Effectively Suppress Unwanted Hemolysis-Related miRNAs in a Large Whole-Blood RNA Cohort. *Journal of Molecular Diagnostics*, **2021**, 23, 671-682	5.1	3
53	Intermediate versus standard dose heparin prophylaxis in COVID-19 ICU patients: A propensity score-matched analysis. *Thrombosis Research*, **2021**, 203, 57-60	8.2	6
52	Secondary polycythemia in chronic obstructive pulmonary disease: prevalence and risk factors. *BMC Pulmonary Medicine*, **2021**, 21, 235	3.5	3
51	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	5.8	2
50	Genome-Wide Gene-by-Smoking Interaction Study of Chronic Obstructive Pulmonary Disease. *American Journal of Epidemiology*, **2021**, 190, 875-885	3.8	9
49	Genetic Variation in the Mitochondrial Glycerol-3-Phosphate Acyltransferase Is Associated With Liver Injury. *Hepatology*, **2021**, 74, 3394-3408	11.2	0
48	A genome-wide association study of quantitative computed tomographic emphysema in Korean populations. *Scientific Reports*, **2021**, 11, 16692	4.9	
47	Relationship Between Rheumatoid Arthritis and Pulmonary Function Measures on Spirometry in the UK Biobank. *Arthritis and Rheumatology*, **2021**, 73, 1994-2002	9.5	2
46	Whole-genome sequencing in diverse subjects identifies genetic correlates of leukocyte traits: The NHLBI TOPMed program. *American Journal of Human Genetics*, **2021**, 108, 1836-1851	11	1

45	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**,	10.3	1
44	Interaction of Cigarette Smoking and Polygenic Risk Score on Reduced Lung Function.. *JAMA Network Open*, **2021**, 4, e2139525	10.4	3
43	Machine Learning and Prediction of All-Cause Mortality in COPD. *Chest*, **2020**, 158, 952-964	5.3	15
42	Clarifying the Risk of Lung Disease in SZ Alpha-1 Antitrypsin Deficiency. *American Journal of Respiratory and Critical Care Medicine*, **2020**, 202, 73-82	10.2	15
41	Consequences of Abrupt Cessation of Alpha-Antitrypsin Replacement Therapy. *New England Journal of Medicine*, **2020**, 382, 1478-1480	59.2	15
40	Pulmonary artery enlargement and mortality risk in moderate to severe COPD: results from COPDGene. *European Respiratory Journal*, **2020**, 55,	13.6	9
39	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,	5.6	2
38	Trait Insights Gained by Comparing Genome-Wide Association Study Results using Different Chronic Obstructive Pulmonary Disease Definitions. *AMIA Summits on Translational Science Proceedings*, **2020**, 2020, 278-287	1.1	1
37	Why is Disease Penetration So Variable? Role of Genetic Modifiers of Lung Function in Alpha-1 Antitrypsin Deficiency. *Chronic Obstructive Pulmonary Diseases (Miami, Fla)*, **2020**, 7, 214-223	2.7	2
36	Plasma Metabolomic Signatures of Chronic Obstructive Pulmonary Disease and the Impact of Genetic Variants on Phenotype-Driven Modules. *Network and Systems Medicine*, **2020**, 3, 159-181	4	8
35	Subtyping COPD by Using Visual and Quantitative CT Imaging Features. *Chest*, **2020**, 157, 47-60	5.3	25
34	Genome-Wide Association Study of Susceptibility to Idiopathic Pulmonary Fibrosis. *American Journal of Respiratory and Critical Care Medicine*, **2020**, 201, 564-574	10.2	81
33	Machine Learning Characterization of COPD Subtypes: Insights From the COPDGene Study. *Chest*, **2020**, 157, 1147-1157	5.3	18
32	A linear prognostic score based on the ratio of interleukin-6 to interleukin-10 predicts outcomes in COVID-19. *EBioMedicine*, **2020**, 61, 103026	8.8	48
31	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
30	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
29	Unsupervised discovery of phenotype-specific multi-omics networks. *Bioinformatics*, **2019**, 35, 4336-4343	7.2	11
28	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	5.6	8

27	Assessing pleiotropy and mediation in genetic loci associated with chronic obstructive pulmonary disease. *Genetic Epidemiology*, **2019**, 43, 318-329	2.6	3
26	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
25	Genetic landscape of chronic obstructive pulmonary disease identifies heterogeneous cell-type and phenotype associations. *Nature Genetics*, **2019**, 51, 494-505	36.3	119
24	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	4.9	7
23	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
22	Analysis of genetically driven alternative splicing identifies FBXO38 as a novel COPD susceptibility gene. *PLoS Genetics*, **2019**, 15, e1008229	6	9
21	Genetics and epidemiology of AATD **2019**, 27-38		4
20	COPDGene 2019: Redefining the Diagnosis of Chronic Obstructive Pulmonary Disease. *Chronic Obstructive Pulmonary Diseases (Miami, Fla)*, **2019**, 6, 384-399	2.7	61
19	Integrative Genomics Analysis Identifies ACVR1B as a Candidate Causal Gene of Emphysema Distribution. *American Journal of Respiratory Cell and Molecular Biology*, **2019**, 60, 388-398	5.7	9
18	Asthma Is a Risk Factor for Respiratory Exacerbations Without Increased Rate of Lung Function Decline: Five-Year Follow-up in Adult Smokers From the COPDGene Study. *Chest*, **2018**, 153, 368-377	5.3	11
17	Leveraging lung tissue transcriptome to uncover candidate causal genes in COPD genetic associations. *Human Molecular Genetics*, **2018**, 27, 1819-1829	5.6	24
16	Whole exome sequencing analysis in severe chronic obstructive pulmonary disease. *Human Molecular Genetics*, **2018**, 27, 3801-3812	5.6	19
15	Genetic variants predicting aerobic capacity response to training are also associated with skeletal muscle oxidative capacity in moderate-to-severe COPD. *Physiological Genomics*, **2018**, 50, 688-690	3.6	5
14	A Genome-Wide Linkage Study for Chronic Obstructive Pulmonary Disease in a Dutch Genetic Isolate Identifies Novel Rare Candidate Variants. *Frontiers in Genetics*, **2018**, 9, 133	4.5	5
13	Multiethnic meta-analysis identifies ancestry-specific and cross-ancestry loci for pulmonary function. *Nature Communications*, **2018**, 9, 2976	17.4	45
12	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
11	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
10	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

9	Gene-based segregation method for identifying rare variants in family-based sequencing studies. *Genetic Epidemiology*, **2017**, 41, 309-319	2.6	11
8	Surfactant protein D is a causal risk factor for COPD: results of Mendelian randomisation. *European Respiratory Journal*, **2017**, 50,	13.6	18
7	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
6	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
5	Childhood pneumonia increases risk for chronic obstructive pulmonary disease: the COPDGene study. *Respiratory Research*, **2015**, 16, 115	7.3	42
4	Incidentally detected lung nodules: clinical predictors of adherence to Fleischner Society surveillance guidelines. *Journal of Computer Assisted Tomography*, **2014**, 38, 89-95	2.2	13
3	Integrative genomics of chronic obstructive pulmonary disease. *Biochemical and Biophysical Research Communications*, **2014**, 452, 276-86	3.4	34
2	Pneumothorax risk factors in smokers with and without chronic obstructive pulmonary disease. *Annals of the American Thoracic Society*, **2014**, 11, 1387-94	4.7	22
1	New genetic signals for lung function highlight pathways and pleiotropy, and chronic obstructive pulmonary disease associations across multiple ancestries		5