Yohan Boss

List of Publications by Year in Descending Order

230 papers	8,152 citations	49 h-index	82 g-index
274 ext. papers	10,965 ext. citations	7.8 avg, IF	5.97 L-index

#	Paper	IF	Citations
230	Genome-wide chromatin contacts of super-enhancer-associated lncRNA identify LINC01013 as a regulator of fibrosis in the aortic valve.. *PLoS Genetics*, **2022**, 18, e1010010	6	1
229	Genome-wide interaction analysis identified low-frequency variants with sex disparity in lung cancer risk.. *Human Molecular Genetics*, **2022**,	5.6	1
228	Performance of an RNA-Based Next-Generation Sequencing Assay for Combined Detection of Clinically Actionable Fusions and Hotspot Mutations in NSCLC.. *JTO Clinical and Research Reports*, **2022**, 3, 100276	1.4	0
227	Enhancer promoter interactome and Mendelian randomization identify network of druggable vascular genes in coronary artery disease.. *Human Genomics*, **2022**, 16, 8	6.8	0
226	Elevated Lipoprotein(a) and Risk of Atrial Fibrillation: An Observational and Mendelian Randomization Study.. *Journal of the American College of Cardiology*, **2022**, 79, 1579-1590	15.1	4
225	The Null Q0Ourh Variant within a Copy-Neutral Loss-of-Heterozygosity Event Causing Alpha-1 Antitrypsin Deficiency. *American Journal of Respiratory Cell and Molecular Biology*, **2022**, 66, 700-702	5.7	
224	Electronic health record-based genome-wide meta-analysis provides insights on the genetic architecture of non-alcoholic fatty liver disease. *Cell Reports Medicine*, **2021**, 2, 100437	18	4
223	A trans-omic Mendelian randomization study of parental lifespan uncovers novel aging biology and therapeutic candidates for chronic diseases. *Aging Cell*, **2021**, 20, e13497	9.9	1
222	Polygenic Risk Score for Coronary Artery Disease Improves the Prediction of Early-Onset Myocardial Infarction and Mortality in Men. *Circulation Genomic and Precision Medicine*, **2021**, CIRCGEN121003452	5.2	0
221	Oxyphospholipids in Cardiovascular Calcification. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2021**, 41, 11-19	9.4	1
220	Enhancer-associated aortic valve stenosis risk locus 1p21.2 alters NFATC2 binding site and promotes fibrogenesis. *IScience*, **2021**, 24, 102241	6.1	3
219	Genome-wide association meta-analysis identifies pleiotropic risk loci for aerodigestive squamous cell cancers. *PLoS Genetics*, **2021**, 17, e1009254	6	2
218	System Genetics Including Causal Inference Identify Immune Targets for Coronary Artery Disease and the Lifespan. *Circulation Genomic and Precision Medicine*, **2021**, 14, e003196	5.2	1
217	Prioritization of candidate causal genes for asthma in susceptibility loci derived from UK Biobank. *Communications Biology*, **2021**, 4, 700	6.7	11
216	Lipoprotein Proteomics and Aortic Valve Transcriptomics Identify Biological Pathways Linking Lipoprotein(a) Levels to Aortic Stenosis. *Metabolites*, **2021**, 11,	5.6	6
215	Integration of multiomic annotation data to prioritize and characterize inflammation and immune-related risk variants in squamous cell lung cancer. *Genetic Epidemiology*, **2021**, 45, 99-114	2.6	2
214	Unravelling actionable biology using transcriptomic data to integrate mitotic index and Ki-67 in the management of lung neuroendocrine tumors. *Oncotarget*, **2021**, 12, 209-220	3.3	0

213	Multi-omics highlights ABO plasma protein as a causal risk factor for COVID-19. *Human Genetics*, **2021**, 140, 969-979	6.3	12
212	Aryl hydrocarbon receptor deficiency causes the development of chronic obstructive pulmonary disease through the integration of multiple pathogenic mechanisms. *FASEB Journal*, **2021**, 35, e21376	0.9	9
211	Sex-Specific Associations of Genetically Predicted Circulating Lp(a) (Lipoprotein(a)) and Hepatic Gene Expression Levels With Cardiovascular Outcomes: Mendelian Randomization and Observational Analyses. *Circulation Genomic and Precision Medicine*, **2021**, 14, e003271	5.2	2
210	SARS-CoV-2 Impairs Dendritic Cells and Regulates DC-SIGN Gene Expression in Tissues. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	4
209	ZNF768 links oncogenic RAS to cellular senescence. *Nature Communications*, **2021**, 12, 4841	17.4	2
208	Genomic and evolutionary classification of lung cancer in never smokers. *Nature Genetics*, **2021**, 53, 1348-1359	36.3	14
207	The Clinical Utility of Determining the Allelic Background of Mutations Causing Alpha-1 Antitrypsin Deficiency: The Case with the Null Variant Q0(Mattawa)/Q0(Ourém). *Chronic Obstructive Pulmonary Diseases (Miami, Fla)*, **2021**, 8,	2.7	1
206	IntraIndividual Variability in Serum Alpha-1 Antitrypsin Levels. *Chronic Obstructive Pulmonary Diseases (Miami, Fla)*, **2021**, 8, 464-473	2.7	
205	Phenotypic and functional translation of IL33 genetics in asthma. *Journal of Allergy and Clinical Immunology*, **2021**, 147, 144-157	11.5	10
204	ASSESSMENT OF CIRCULATING MICRO-RNAS AS CANDIDATE BIOMARKERS IN BRUGADA SYNDROME. *Canadian Journal of Cardiology*, **2020**, 36, S44	3.8	
203	Single-cell expression and Mendelian randomization analyses identify blood genes associated with lifespan and chronic diseases. *Communications Biology*, **2020**, 3, 206	6.7	5
202	Protein-altering germline mutations implicate novel genes related to lung cancer development. *Nature Communications*, **2020**, 11, 2220	17.4	6
201	Age, Sex, and Valve Phenotype Differences in Fibro-Calcific Remodeling of Calcified Aortic Valve. *Journal of the American Heart Association*, **2020**, 9, e015610	6	26
200	SARS-CoV-2 receptor ACE2 gene expression and RAAS inhibitors. *Lancet Respiratory Medicine,the*, **2020**, 8, e50-e51	35.1	49
199	Reply to Polverino: Cigarette Smoking and COVID-19: A Complex Interaction. *American Journal of Respiratory and Critical Care Medicine*, **2020**, 202, 472-474	10.2	1
198	Granularity of alleles by DNA sequencing in CanCOLD. *European Respiratory Journal*, **2020**, 56,	13.6	7
197	Association of Long-term Exposure to Elevated Lipoprotein(a) Levels With Parental Life Span, Chronic Disease-Free Survival, and Mortality Risk: A Mendelian Randomization Analysis. *JAMA Network Open*, **2020**, 3, e200129	10.4	14
196	Association of FADS1/2 Locus Variants and Polyunsaturated Fatty Acids With Aortic Stenosis. *JAMA Cardiology*, **2020**, 5, 694-702	16.2	7

195	Tobacco Smoking Increases the Lung Gene Expression of ACE2, the Receptor of SARS-CoV-2. *American Journal of Respiratory and Critical Care Medicine*, **2020**, 201, 1557-1559	10.2	163
194	Phenotypic and functional translation of IL1RL1 locus polymorphisms in lung tissue and asthmatic airway epithelium. *JCI Insight*, **2020**, 5,	9.9	11
193	Variants associated with HHIP expression have sex-differential effects on lung function. *Wellcome Open Research*, **2020**, 5, 111	4.8	0
192	Genetics and Pharmacogenetics of COPD. *Respiratory Medicine*, **2020**, 39-55	0.2	
191	Gene expression network analysis provides potential targets against SARS-CoV-2. *Scientific Reports*, **2020**, 10, 21863	4.9	6
190	ACE inhibition and cardiometabolic risk factors, lung and gene expression, and plasma ACE2 levels: a Mendelian randomization study. *Royal Society Open Science*, **2020**, 7, 200958	3.3	6
189	The landscape of host genetic factors involved in immune response to common viral infections **2020**,		14
188	Transcriptome-wide association study reveals candidate causal genes for lung cancer. *International Journal of Cancer*, **2020**, 146, 1862-1878	7.5	8
187	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
186	Immune-mediated genetic pathways resulting in pulmonary function impairment increase lung cancer susceptibility. *Nature Communications*, **2020**, 11, 27	17.4	7
185	Genetic Determinants of Lung Cancer Prognosis in Never Smokers: A Pooled Analysis in the International Lung Cancer Consortium. *Cancer Epidemiology Biomarkers and Prevention*, **2020**, 29, 1983-1992	4	5
184	The landscape of host genetic factors involved in immune response to common viral infections. *Genome Medicine*, **2020**, 12, 93	14.4	29
183	Protective effect of club cell secretory protein (CC-16) on COPD risk and progression: a Mendelian randomisation study. *Thorax*, **2020**, 75, 934-943	7.3	7
182	Phenome-wide analyses establish a specific association between aortic valve PALMD expression and calcific aortic valve stenosis. *Communications Biology*, **2020**, 3, 477	6.7	4
181	Variants associated with expression have sex-differential effects on lung function. *Wellcome Open Research*, **2020**, 5, 111	4.8	0
180	Performance Characteristics of Spirometry With Negative Bronchodilator Response and Methacholine Challenge Testing and Implications for Asthma Diagnosis. *Chest*, **2020**, 158, 479-490	5.3	8
179	Whole Exome Sequencing of Highly Aggregated Lung Cancer Families Reveals Linked Loci for Increased Cancer Risk on Chromosomes 12q, 7p, and 4q. *Cancer Epidemiology Biomarkers and Prevention*, **2020**, 29, 434-442	4	6
178	Transcriptomic data helps refining classification of pulmonary carcinoid tumors with increased mitotic counts. *Modern Pathology*, **2020**, 33, 1712-1721	9.8	8

177	High FA2H and UGT8 transcript levels predict hydroxylated hexosylceramide accumulation in lung adenocarcinoma. *Journal of Lipid Research*, **2019**, 60, 1776-1786	6.3	9
176	A Mendelian randomization study of IL6 signaling in cardiovascular diseases, immune-related disorders and longevity. *Npj Genomic Medicine*, **2019**, 4, 23	6.2	45
175	Differential lung tissue gene expression in males and females: implications for the susceptibility to develop COPD. *European Respiratory Journal*, **2019**, 54,	13.6	7
174	Genetic Variation in LPA, Calcific Aortic Valve Stenosis in Patients Undergoing Cardiac Surgery, and Familial Risk of Aortic Valve Microcalcification. *JAMA Cardiology*, **2019**, 4, 620-627	16.2	17
173	Benefits and limitations of genome-wide association studies. *Nature Reviews Genetics*, **2019**, 20, 467-484	30.1	516
172	Genetic interaction analysis among oncogenesis-related genes revealed novel genes and networks in lung cancer development. *Oncotarget*, **2019**, 10, 1760-1774	3.3	12
171	Early-onset emphysema in a large French-Canadian family: a genetic investigation. *Lancet Respiratory Medicine,the*, **2019**, 7, 427-436	35.1	7
170	Lipoprotein(a), Oxidized Phospholipids, and Aortic Valve Microcalcification Assessed by 18F-Sodium Fluoride Positron Emission Tomography and Computed Tomography. *CJC Open*, **2019**, 1, 131-140	2	17
169	Limited overlap in significant hits between genome-wide association studies on two airflow obstruction definitions in the same population. *BMC Pulmonary Medicine*, **2019**, 19, 58	3.5	2
168	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
167	Genetic landscape of chronic obstructive pulmonary disease identifies heterogeneous cell-type and phenotype associations. *Nature Genetics*, **2019**, 51, 494-505	36.3	119
166	Germline variants invited to lung cancer screening. *Lancet Respiratory Medicine,the*, **2019**, 7, 832-833	35.1	1
165	Genetic Association Analyses Highlight , , and As 3 New Susceptibility Genes Underlying Calcific Aortic Valve Stenosis. *Circulation Genomic and Precision Medicine*, **2019**, 12, e002617	5.2	20
164	Linoleic acid supplementation of cell culture media influences the phospholipid and lipid profiles of human reconstructed adipose tissue. *PLoS ONE*, **2019**, 14, e0224228	3.7	6
163	UCP1 expression-associated gene signatures of human epicardial adipose tissue. *JCI Insight*, **2019**, 4,	9.9	16
162	PALMD as a novel target for calcific aortic valve stenosis. *Current Opinion in Cardiology*, **2019**, 34, 105-111	1.1	5
161	Moderate-to-severe asthma in individuals of European ancestry: a genome-wide association study. *Lancet Respiratory Medicine,the*, **2019**, 7, 20-34	35.1	109
160	Activated platelets promote an osteogenic programme and the progression of calcific aortic valve stenosis. *European Heart Journal*, **2019**, 40, 1362-1373	9.5	30

159	A transcriptome-wide association study identifies PALMD as a susceptibility gene for calcific aortic valve stenosis. *Nature Communications*, **2018**, 9, 988	17.4	53
158	COPD GWAS variant at 19q13.2 in relation with DNA methylation and gene expression. *Human Molecular Genetics*, **2018**, 27, 396-405	5.6	19
157	Understanding the role of the chromosome 15q25.1 in COPD through epigenetics and transcriptomics. *European Journal of Human Genetics*, **2018**, 26, 709-722	5.3	16
156	Comprehensive Assessment of PD-L1 Staining Heterogeneity in Pulmonary Adenocarcinomas Using Tissue Microarrays: Impact of the Architecture Pattern and the Number of Cores. *American Journal of Surgical Pathology*, **2018**, 42, 687-694	6.7	21
155	Identification of Drug Candidates to Suppress Cigarette Smoke-induced Inflammation via Connectivity Map Analyses. *American Journal of Respiratory Cell and Molecular Biology*, **2018**, 58, 727-735	5.7	8
154	DNA methylation of a PLPP3 MIR transposon-based enhancer promotes an osteogenic programme in calcific aortic valve disease. *Cardiovascular Research*, **2018**, 114, 1525-1535	9.9	19
153	GATA6 Regulates Aortic Valve Remodeling, and Its Haploinsufficiency Leads to Right-Left Type Bicuspid Aortic Valve. *Circulation*, **2018**, 138, 1025-1038	16.7	35
152	Leveraging lung tissue transcriptome to uncover candidate causal genes in COPD genetic associations. *Human Molecular Genetics*, **2018**, 27, 1819-1829	5.6	24
151	A Decade of GWAS Results in Lung Cancer. *Cancer Epidemiology Biomarkers and Prevention*, **2018**, 27, 363-379	4	86
150	Human Genetic Susceptibility to Native Valve Endocarditis in Patients With Bacteremia: Genome-Wide Association Study. *Frontiers in Microbiology*, **2018**, 9, 640	5.7	8
149	Soluble CD14 is associated with the structural failure of bioprostheses. *Clinica Chimica Acta*, **2018**, 485, 173-177	6.2	3
148	Integrative genomics identifies new genes associated with severe COPD and emphysema. *Respiratory Research*, **2018**, 19, 46	7.3	9
147	Identification of susceptibility pathways for the role of chromosome 15q25.1 in modifying lung cancer risk. *Nature Communications*, **2018**, 9, 3221	17.4	29
146	Multiethnic meta-analysis identifies ancestry-specific and cross-ancestry loci for pulmonary function. *Nature Communications*, **2018**, 9, 2976	17.4	45
145	The Overlap of Lung Tissue Transcriptome of Smoke Exposed Mice with Human Smoking and COPD. *Scientific Reports*, **2018**, 8, 11881	4.9	10
144	Meta-analysis of exome array data identifies six novel genetic loci for lung function. *Wellcome Open Research*, **2018**, 3, 4	4.8	16
143	Genome-wide association study of familial lung cancer. *Carcinogenesis*, **2018**, 39, 1135-1140	4.6	24
142	Clinical Experience with SERPINA1 DNA Sequencing to Detect Alpha-1 Antitrypsin Deficiency. *Annals of the American Thoracic Society*, **2018**, 15, 266-268	4.7	9

141	Deleterious variants in DCHS1 are prevalent in sporadic cases of mitral valve prolapse. *Molecular Genetics & Genomic Medicine*, **2018**, 6, 114-120	2.3	4
140	Tumor-based gene expression biomarkers to predict survival following curative intent resection for stage I lung adenocarcinoma. *PLoS ONE*, **2018**, 13, e0207513	3.7	2
139	Lung cancer susceptibility genetic variants modulate HOXB2 expression in the lung. *International Journal of Developmental Biology*, **2018**, 62, 857-864	1.9	6
138	Multimarker Approach to Identify Patients With Higher Mortality and Rehospitalization Rate After Surgical Aortic Valve Replacement for Aortic Stenosis. *JACC: Cardiovascular Interventions*, **2018**, 11, 2172-2181	5	15
137	The DNA repair transcriptome in severe COPD. *European Respiratory Journal*, **2018**, 52,	13.6	17
136	Novel genes and insights in complete asthma remission: A genome-wide association study on clinical and complete asthma remission. *Clinical and Experimental Allergy*, **2018**, 48, 1286-1296	4.1	11
135	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
134	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
133	Latrophilin receptors: novel bronchodilator targets in asthma. *Thorax*, **2017**, 72, 74-82	7.3	8
132	Integrative Genomics of Emphysema-Associated Genes Reveals Potential Disease Biomarkers. *American Journal of Respiratory Cell and Molecular Biology*, **2017**, 57, 411-418	5.7	20
131	Responsiveness to Ipratropium Bromide in Male and Female Patients with Mild to Moderate Chronic Obstructive Pulmonary Disease. *EBioMedicine*, **2017**, 19, 139-145	8.8	21
130	OxLDL-derived lysophosphatidic acid promotes the progression of aortic valve stenosis through a LPAR1-RhoA-NF-B pathway. *Cardiovascular Research*, **2017**, 113, 1351-1363	9.9	48
129	Sulfatase modifying factor 1 (SUMF1) is associated with Chronic Obstructive Pulmonary Disease. *Respiratory Research*, **2017**, 18, 77	7.3	5
128	Large-scale association analysis identifies new lung cancer susceptibility loci and heterogeneity in genetic susceptibility across histological subtypes. *Nature Genetics*, **2017**, 49, 1126-1132	36.3	246
127	Autoantibodies and immune complexes to oxidation-specific epitopes and progression of aortic stenosis: Results from the ASTRONOMER trial. *Atherosclerosis*, **2017**, 260, 1-7	3.1	6
126	Genome-Wide Interaction Analysis of Air Pollution Exposure and Childhood Asthma with Functional Follow-up. *American Journal of Respiratory and Critical Care Medicine*, **2017**, 195, 1373-1383	10.2	71
125	Transcriptomic Microenvironment of Lung Adenocarcinoma. *Cancer Epidemiology Biomarkers and Prevention*, **2017**, 26, 389-396	4	5
124	Genetic variants associated with susceptibility to idiopathic pulmonary fibrosis in people of European ancestry: a genome-wide association study. *Lancet Respiratory Medicine,the*, **2017**, 5, 869-880	35.1	142

123	A Potent Tartrate Resistant Acid Phosphatase Inhibitor to Study the Function of TRAP in Alveolar Macrophages. *Scientific Reports*, **2017**, 7, 12570	4.9	8
122	Exposure to electronic cigarette vapors affects pulmonary and systemic expression of circadian molecular clock genes. *Physiological Reports*, **2017**, 5, e13440	2.6	30
121	Pathobiology of Lp(a) in calcific aortic valve disease. *Expert Review of Cardiovascular Therapy*, **2017**, 15, 797-807	2.5	17
120	Surfactant protein D is a causal risk factor for COPD: results of Mendelian randomisation. *European Respiratory Journal*, **2017**, 50,	13.6	18
119	Genome-wide association study on the FEV/FVC ratio in never-smokers identifies HHIP and FAM13A. *Journal of Allergy and Clinical Immunology*, **2017**, 139, 533-540	11.5	29
118	Sex-Related Discordance Between Aortic Valve Calcification and Hemodynamic Severity of Aortic Stenosis: Is Valvular Fibrosis the Explanation?. *Circulation Research*, **2017**, 120, 681-691	15.7	93
117	Novel Genetic Susceptibility Loci for FEV1 in the Context of Occupational Exposure in Never-Smokers. *American Journal of Respiratory and Critical Care Medicine*, **2016**, 194, 769-72	10.2	1
116	Combining genomewide association study and lung eQTL analysis provides evidence for novel genes associated with asthma. *Allergy: European Journal of Allergy and Clinical Immunology*, **2016**, 71, 1712-1720	9.3	36
115	Altered DNA Methylation of Long Noncoding RNA H19 in Calcific Aortic Valve Disease Promotes Mineralization by Silencing NOTCH1. *Circulation*, **2016**, 134, 1848-1862	16.7	136
114	Role of BAFF in pulmonary autoantibody responses induced by chronic cigarette smoke exposure in mice. *Physiological Reports*, **2016**, 4, e13057	2.6	15
113	Targeted high-throughput sequencing of candidate genes for chronic obstructive pulmonary disease. *BMC Pulmonary Medicine*, **2016**, 16, 146	3.5	10
112	A pro-inflammatory role for the Frizzled-8 receptor in chronic bronchitis. *Thorax*, **2016**, 71, 312-22	7.3	16
111	Circulating Lp-PLA2 is associated with high valvuloarterial impedance and low arterial compliance in patients with aortic valve bioprostheses. *Clinica Chimica Acta*, **2016**, 455, 20-5	6.2	2
110	Identification of Gender-Specific Genetic Variants in Patients With Bicuspid Aortic Valve. *American Journal of Cardiology*, **2016**, 117, 420-6	3	39
109	Epigenetic and genetic variations at the TNNT1 gene locus are associated with HDL-C levels and coronary artery disease. *Epigenomics*, **2016**, 8, 359-71	4.4	18
108	Association of Forced Vital Capacity with the Developmental Gene NCOR2. *PLoS ONE*, **2016**, 11, e0147388	3.7	15
107	Identification of Susceptibility Genes of Adult Asthma in French Canadian Women. *Canadian Respiratory Journal*, **2016**, 2016, 3564341	2.1	8
106	Human Lung Tissue Transcriptome: Influence of Sex and Age. *PLoS ONE*, **2016**, 11, e0167460	3.7	12

105	Autotaxin interacts with lipoprotein(a) and oxidized phospholipids in predicting the risk of calcific aortic valve stenosis in patients with coronary artery disease. *Journal of Internal Medicine*, **2016**, 280, 509-517	10.8	60
104	Association between plasma lipoprotein levels and bioprosthetic valve structural degeneration. *Heart*, **2016**, 102, 1915-1921	5.1	19
103	Total particulate matter concentration skews cigarette smoke's gene expression profile. *ERJ Open Research*, **2016**, 2,	3.5	8
102	RNA expression profile of calcified bicuspid, tricuspid, and normal human aortic valves by RNA sequencing. *Physiological Genomics*, **2016**, 48, 749-761	3.6	31
101	Asthma susceptibility variants are more strongly associated with clinically similar subgroups. *Journal of Asthma*, **2016**, 53, 907-13	1.9	6
100	Cross-Cancer Genome-Wide Analysis of Lung, Ovary, Breast, Prostate, and Colorectal Cancer Reveals Novel Pleiotropic Associations. *Cancer Research*, **2016**, 76, 5103-14	10.1	66
99	Susceptibility genes for lung diseases in the major histocompatibility complex revealed by lung expression quantitative trait loci analysis. *European Respiratory Journal*, **2016**, 48, 573-6	13.6	7
98	A large lung gene expression study identifying fibulin-5 as a novel player in tissue repair in COPD. *Thorax*, **2015**, 70, 21-32	7.3	73
97	Genome-Wide Association Study Identification of Novel Loci Associated with Airway Responsiveness in Chronic Obstructive Pulmonary Disease. *American Journal of Respiratory Cell and Molecular Biology*, **2015**, 53, 226-34	5.7	24
96	A study in familial hypercholesterolemia suggests reduced methylomic plasticity in men with coronary artery disease. *Epigenomics*, **2015**, 7, 17-34	4.4	14
95	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
94	Autotaxin Derived From Lipoprotein(a) and Valve Interstitial Cells Promotes Inflammation and Mineralization of the Aortic Valve. *Circulation*, **2015**, 132, 677-90	16.7	136
93	Functional variants regulating LGALS1 (Galectin 1) expression affect human susceptibility to influenza A(H7N9). *Scientific Reports*, **2015**, 5, 8517	4.9	33
92	Identification of TMPRSS2 as a Susceptibility Gene for Severe 2009 Pandemic A(H1N1) Influenza and A(H7N9) Influenza. *Journal of Infectious Diseases*, **2015**, 212, 1214-21	7	123
91	Carbonic anhydrase XII in valve interstitial cells promotes the regression of calcific aortic valve stenosis. *Journal of Molecular and Cellular Cardiology*, **2015**, 82, 104-15	5.8	13
90	Polymorphisms associated with expression of BPIFA1/BPIFB1 and lung disease severity in cystic fibrosis. *American Journal of Respiratory Cell and Molecular Biology*, **2015**, 53, 607-14	5.7	21
89	Molecular mechanisms underlying variations in lung function: a systems genetics analysis. *Lancet Respiratory Medicine,the*, **2015**, 3, 782-95	35.1	52
88	Novel insights into the genetics of smoking behaviour, lung function, and chronic obstructive pulmonary disease (UK BiLEVE): a genetic association study in UK Biobank. *Lancet Respiratory Medicine,the*, **2015**, 3, 769-81	35.1	245

87	Genome-wide interaction study of gene-by-occupational exposure and effects on FEV1 levels. *Journal of Allergy and Clinical Immunology*, **2015**, 136, 1664-1672.e14	11.5	27
86	Genetic association analyses highlight biological pathways underlying mitral valve prolapse. *Nature Genetics*, **2015**, 47, 1206-11	36.3	70
85	Oxidized Phospholipids, Lipoprotein(a), and Progression of Calcific Aortic Valve Stenosis. *Journal of the American College of Cardiology*, **2015**, 66, 1236-1246	15.1	210
84	Calcium Signaling Pathway Genes RUNX2 and CACNA1C Are Associated With Calcific Aortic Valve Disease. *Circulation: Cardiovascular Genetics*, **2015**, 8, 812-22		42
83	Dissecting the genetics of chronic mucus hypersecretion in smokers with and without COPD. *European Respiratory Journal*, **2015**, 45, 60-75	13.6	14
82	The pathology and pathobiology of bicuspid aortic valve: State of the art and novel research perspectives. *Journal of Pathology: Clinical Research*, **2015**, 1, 195-206	5.3	37
81	Altered intestinal functions and increased local inflammation in insulin-resistant obese subjects: a gene-expression profile analysis. *BMC Gastroenterology*, **2015**, 15, 119	3	22
80	MicroRNA-19a enhances proliferation of bronchial epithelial cells by targeting TGFBR2 gene in severe asthma. *Allergy: European Journal of Allergy and Clinical Immunology*, **2015**, 70, 212-9	9.3	80
79	Deficiency of FHL2 attenuates airway inflammation in mice and genetic variation associates with human bronchial hyper-responsiveness. *Allergy: European Journal of Allergy and Clinical Immunology* , **2015**, 70, 1531-44	9.3	8
78	The Effect of Statins on Blood Gene Expression in COPD. *PLoS ONE*, **2015**, 10, e0140022	3.7	10
77	Impact of Statins on Gene Expression in Human Lung Tissues. *PLoS ONE*, **2015**, 10, e0142037	3.7	4
76	Sixteen new lung function signals identified through 1000 Genomes Project reference panel imputation. *Nature Communications*, **2015**, 6, 8658	17.4	79
75	Impact of plasma Lp-PLA2 activity on the progression of aortic stenosis: the PROGRESSA study. *JACC: Cardiovascular Imaging*, **2015**, 8, 26-33	8.4	41
74	Informed genome-wide association analysis with family history as a secondary phenotype identifies novel loci of lung cancer. *Genetic Epidemiology*, **2015**, 39, 197-206	2.6	7
73	Novel genes for airway wall thickness identified with combined genome-wide association and expression analyses. *American Journal of Respiratory and Critical Care Medicine*, **2015**, 191, 547-56	10.2	20
72	Influences of gestational obesity on associations between genotypes and gene expression levels in offspring following maternal gastrointestinal bypass surgery for obesity. *PLoS ONE*, **2015**, 10, e0117011	3.7	4
71	Elevated expression of lipoprotein-associated phospholipase A2 in calcific aortic valve disease: implications for valve mineralization. *Journal of the American College of Cardiology*, **2014**, 63, 460-9	15.1	84
70	Active smoking status in chronic rhinosinusitis is associated with higher serum markers of inflammation and lower serum eosinophilia. *International Forum of Allergy and Rhinology*, **2014**, 4, 347-52	6.3	12

69	A roadmap to investigate the genetic basis of bicuspid aortic valve and its complications: insights from the International BAVCon (Bicuspid Aortic Valve Consortium). *Journal of the American College of Cardiology*, **2014**, 64, 832-9	15.1	119
68	Acetylsalicylic acid, aging and coronary artery disease are associated with ABCA1 DNA methylation in men. *Clinical Epigenetics*, **2014**, 6, 14	7.7	49
67	A pooling-based genomewide association study identifies genetic variants associated with Staphylococcus aureus colonization in chronic rhinosinusitis patients. *International Forum of Allergy and Rhinology*, **2014**, 4, 207-15	6.3	12
66	Genetic variations in taste receptors are associated with chronic rhinosinusitis: a replication study. *International Forum of Allergy and Rhinology*, **2014**, 4, 200-6	6.3	64
65	Common genes underlying asthma and COPD? Genome-wide analysis on the Dutch hypothesis. *European Respiratory Journal*, **2014**, 44, 860-72	13.6	35
64	P2Y2 receptor represses IL-6 expression by valve interstitial cells through Akt: implication for calcific aortic valve disease. *Journal of Molecular and Cellular Cardiology*, **2014**, 72, 146-56	5.8	83
63	Lung expression quantitative trait loci data set identifies important functional polymorphisms in the asthma-associated IL1RL1 region. *Journal of Allergy and Clinical Immunology*, **2014**, 134, 729-31	11.5	14
62	Bicuspid aortic valve: identifying knowledge gaps and rising to the challenge from the International Bicuspid Aortic Valve Consortium (BAVCon). *Circulation*, **2014**, 129, 2691-704	16.7	227
61	Angiotensin receptor blockers are associated with reduced fibrosis and interleukin-6 expression in calcific aortic valve disease. *Pathobiology*, **2014**, 81, 15-24	3.6	32
60	Impact of cigarette smoke on the human and mouse lungs: a gene-expression comparison study. *PLoS ONE*, **2014**, 9, e92498	3.7	28
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2	New genetic signals for lung function highlight pathways and pleiotropy, and chronic obstructive pulmonary disease associations across multiple ancestries		5
1	Genetic association analyses highlight IL6, ALPL, and NAV1 as three new susceptibility genes underlying calcific aortic valve stenosis		2