

Lies Lahousse

List of Publications by Year in descending order

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Version: 2024-02-01

128
papers

5,029
citations

87888

38
h-index

106344

65
g-index

137
all docs

137
docs citations

137
times ranked

9058
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiancestry association study identifies new asthma risk loci that colocalize with immune-cell enhancer marks. <i>Nature Genetics</i> , 2018, 50, 42-53.	21.4	426
2	Genetic loci associated with chronic obstructive pulmonary disease overlap with loci for lung function and pulmonary fibrosis. <i>Nature Genetics</i> , 2017, 49, 426-432.	21.4	306
3	Genetic landscape of chronic obstructive pulmonary disease identifies heterogeneous cell-type and phenotype associations. <i>Nature Genetics</i> , 2019, 51, 494-505.	21.4	257
4	Prevalence and incidence of COPD in smokers and non-smokers: the Rotterdam Study. <i>European Journal of Epidemiology</i> , 2016, 31, 785-792.	5.7	199
5	Asthma inflammatory phenotypes show differential microRNA expression in sputum. <i>Journal of Allergy and Clinical Immunology</i> , 2016, 137, 1433-1446.	2.9	168
6	Genome-Wide Association Studies Identify <i>CHRNA5</i> and <i>HTR4</i> in the Development of Airflow Obstruction. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2012, 186, 622-632.	5.6	164
7	Genome-wide association analysis identifies six new loci associated with forced vital capacity. <i>Nature Genetics</i> , 2014, 46, 669-677.	21.4	131
8	Risk of Frailty in Elderly With COPD: A Population-Based Study. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2016, 71, 689-695.	3.6	130
9	Sarcopenia in COPD: a systematic review and meta-analysis. <i>European Respiratory Review</i> , 2019, 28, 190049.	7.1	116
10	Adherence to the 2015 Dutch dietary guidelines and risk of non-communicable diseases and mortality in the Rotterdam Study. <i>European Journal of Epidemiology</i> , 2017, 32, 993-1005.	5.7	111
11	MicroRNA Profiling Reveals a Role for MicroRNA-218-5p in the Pathogenesis of Chronic Obstructive Pulmonary Disease. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017, 195, 43-56.	5.6	108
12	Chronic Obstructive Pulmonary Disease and the Risk of Stroke. The Rotterdam Study. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2016, 193, 251-258.	5.6	107
13	Trajectory and mortality of preserved ratio impaired spirometry: the Rotterdam Study. <i>European Respiratory Journal</i> , 2020, 55, 1901217.	6.7	107
14	Statins, systemic inflammation and risk of death in COPD: The Rotterdam study. <i>Pulmonary Pharmacology and Therapeutics</i> , 2013, 26, 212-217.	2.6	102
15	Chronic obstructive pulmonary disease and cerebrovascular disease: A comprehensive review. <i>Respiratory Medicine</i> , 2015, 109, 1371-1380.	2.9	94
16	Monoclonal antibodies in type 2 asthma: a systematic review and network meta-analysis. <i>Respiratory Research</i> , 2019, 20, 179.	3.6	93
17	Chronic obstructive pulmonary disease and sudden cardiac death: the Rotterdam study. <i>European Heart Journal</i> , 2015, 36, 1754-1761.	2.2	91
18	Adverse outcomes of frailty in the elderly: the Rotterdam Study. <i>European Journal of Epidemiology</i> , 2014, 29, 419-427.	5.7	88

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19	Cardiac effects of current treatments of chronic obstructive pulmonary disease. <i>Lancet Respiratory Medicine</i> , 2016, 4, 149-164.	10.7	86
20	Multiethnic meta-analysis identifies ancestry-specific and cross-ancestry loci for pulmonary function. <i>Nature Communications</i> , 2018, 9, 2976.	12.8	85
21	Chronic Obstructive Pulmonary Disease and Lipid Core Carotid Artery Plaques in the Elderly. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2013, 187, 58-64.	5.6	83
22	Epidemiology and impact of chronic bronchitis in chronic obstructive pulmonary disease. <i>European Respiratory Journal</i> , 2017, 50, 1602470.	6.7	70
23	Chronic obstructive pulmonary disease and related phenotypes: polygenic risk scores in population-based and case-control cohorts. <i>Lancet Respiratory Medicine</i> , 2020, 8, 696-708.	10.7	69
24	Lifetime risk and multimorbidity of non-communicable diseases and disease-free life expectancy in the general population: A population-based cohort study. <i>PLoS Medicine</i> , 2019, 16, e1002741.	8.4	66
25	Chronic Obstructive Pulmonary Disease and Cerebral Microbleeds. The Rotterdam Study. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2013, 188, 783-788.	5.6	63
26	Prevalence of Pulmonary Hypertension in the General Population: The Rotterdam Study. <i>PLoS ONE</i> , 2015, 10, e0130072.	2.5	57
27	Factors influencing SARS-CoV-2 RNA concentrations in wastewater up to the sampling stage: A systematic review. <i>Science of the Total Environment</i> , 2022, 820, 153290.	8.0	55
28	Integration of epidemiologic, pharmacologic, genetic and gut microbiome data in a drug metabolite atlas. <i>Nature Medicine</i> , 2020, 26, 110-117.	30.7	54
29	Large-Scale Genome-Wide Association Studies and Meta-Analyses of Longitudinal Change in Adult Lung Function. <i>PLoS ONE</i> , 2014, 9, e100776.	2.5	52
30	Gait patterns in COPD: the Rotterdam Study. <i>European Respiratory Journal</i> , 2015, 46, 88-95.	6.7	51
31	<scp>GWAS</scp> analysis of handgrip and lower body strength in older adults in the <scp>CHARGE</scp> consortium. <i>Aging Cell</i> , 2016, 15, 792-800.	6.7	51
32	Sarcopenia and Its Clinical Correlates in the General Population: The Rotterdam Study. <i>Journal of Bone and Mineral Research</i> , 2018, 33, 1209-1218.	2.8	51
33	Common genes underlying asthma and COPD? Genome-wide analysis on the Dutch hypothesis. <i>European Respiratory Journal</i> , 2014, 44, 860-872.	6.7	49
34	Newborn DNA-methylation, childhood lung function, and the risks of asthma and COPD across the life course. <i>European Respiratory Journal</i> , 2019, 53, 1801795.	6.7	48
35	Dietary mineral intake and lung cancer risk: the Rotterdam Study. <i>European Journal of Nutrition</i> , 2017, 56, 1637-1646.	3.9	46
36	Genome-wide association study on the FEV ₁ /FVC ratio in never-smokers identifies HHIP and FAM13A. <i>Journal of Allergy and Clinical Immunology</i> , 2017, 139, 533-540.	2.9	45

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37	Chronic obstructive pulmonary disease and the development of atrial fibrillation. International Journal of Cardiology, 2019, 276, 118-124.	1.7	43
38	Serum phosphate levels are related to all-cause, cardiovascular and COPD mortality in men. European Journal of Epidemiology, 2018, 33, 859-871.	5.7	39
39	The association between dietary protein intake, energy intake and physical frailty: results from the Rotterdam Study. British Journal of Nutrition, 2019, 121, 393-401.	2.3	36
40	β-adrenoceptor blockers and pulmonary function in the general population: the Rotterdam Study. British Journal of Clinical Pharmacology, 2014, 77, 190-200.	2.4	34
41	Epigenome-wide association studies in asthma: A systematic review. Clinical and Experimental Allergy, 2019, 49, 953-968.	2.9	33
42	Chronic obstructive pulmonary disease and sudden cardiac death: A systematic review. Trends in Cardiovascular Medicine, 2016, 26, 606-613.	4.9	32
43	Asthma and its comorbidities in middle-aged and older adults; the Rotterdam Study. Respiratory Medicine, 2018, 139, 6-12.	2.9	32
44	Pulmonary artery to aorta ratio and risk of all-cause mortality in the general population: the Rotterdam Study. European Respiratory Journal, 2017, 49, 1602168.	6.7	29
45	Integrative pathway genomics of lung function and airflow obstruction. Human Molecular Genetics, 2015, 24, 6836-6848.	2.9	28
46	Development of a Healthy Aging Score in the Population-Based Rotterdam Study: Evaluating Age and Sex Differences. Journal of the American Medical Directors Association, 2017, 18, 276.e1-276.e7.	2.5	28
47	Change in blood eosinophils following treatment with inhaled corticosteroids may predict long-term clinical response in COPD. European Respiratory Journal, 2020, 55, 1902119.	6.7	26
48	Chronic Airway Diseases Early Stratification (CADSET): a new ERS Clinical Research Collaboration. European Respiratory Journal, 2019, 53, 1900217.	6.7	25
49	An alternative approach for bioanalytical assay optimization for wastewater-based epidemiology of SARS-CoV-2. Science of the Total Environment, 2021, 789, 148043.	8.0	25
50	Susceptibility to Chronic Mucus Hypersecretion, a Genome Wide Association Study. PLoS ONE, 2014, 9, e91621.	2.5	25
51	Mendelian Randomization Study of Interleukin-6 in Chronic Obstructive Pulmonary Disease. Respiration, 2011, 82, 530-538.	2.6	24
52	COPD GWAS variant at 19q13.2 in relation with DNA methylation and gene expression. Human Molecular Genetics, 2018, 27, 396-405.	2.9	24
53	Bone Mineral Density and Chronic Lung Disease Mortality: The Rotterdam Study. Journal of Clinical Endocrinology and Metabolism, 2014, 99, 1834-1842.	3.6	23
54	Targeted therapy with inhaled corticosteroids in COPD according to blood eosinophil counts. Lancet Respiratory Medicine, 2015, 3, 416-417.	10.7	22

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55	Physical activity and cause-specific mortality: the Rotterdam Study. <i>International Journal of Epidemiology</i> , 2018, 47, 1705-1713.	1.9	22
56	Goal-oriented care for patients with chronic conditions or multimorbidity in primary care: A scoping review and concept analysis. <i>PLoS ONE</i> , 2022, 17, e0262843.	2.5	22
57	Normal spirometry values in healthy elderly: the Rotterdam Study. <i>European Journal of Epidemiology</i> , 2013, 28, 329-334.	5.7	21
58	Understanding the role of the chromosome 15q25.1 in COPD through epigenetics and transcriptomics. <i>European Journal of Human Genetics</i> , 2018, 26, 709-722.	2.8	21
59	Meta-analysis of exome array data identifies six novel genetic loci for lung function. <i>Wellcome Open Research</i> , 2018, 3, 4.	1.8	19
60	Changes in lung function in European adults born between 1884 and 1996 and implications for the diagnosis of lung disease: a cross-sectional analysis of ten population-based studies. <i>Lancet Respiratory Medicine</i> , 2022, 10, 83-94.	10.7	19
61	Heritability and genome-wide association study of diffusing capacity of the lung. <i>European Respiratory Journal</i> , 2018, 52, 1800647.	6.7	18
62	Effect of ACE1 polymorphism rs1799752 on protein levels of ACE2, the SARS-CoV-2 entry receptor, in alveolar lung epithelium. <i>ERJ Open Research</i> , 2021, 7, 00940-2020.	2.6	18
63	Single inhaler triple therapy (SITT) in asthma: Systematic review and practice implications. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2022, 77, 1105-1113.	5.7	17
64	Genes and pathways underlying susceptibility to impaired lung function in the context of environmental tobacco smoke exposure. <i>Respiratory Research</i> , 2017, 18, 142.	3.6	16
65	COPD is associated with an increased risk of peripheral artery disease and mortality. <i>ERJ Open Research</i> , 2018, 4, 00086-2018.	2.6	16
66	A cross-omics integrative study of metabolic signatures of chronic obstructive pulmonary disease. <i>BMC Pulmonary Medicine</i> , 2020, 20, 193.	2.0	15
67	Genetic Associations and Architecture of Asthma-COPD Overlap. <i>Chest</i> , 2022, 161, 1155-1166.	0.8	15
68	Pulmonary Function and Blood DNA Methylation: A Multiancestry Epigenome-Wide Association Meta-analysis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2022, 206, 321-336.	5.6	15
69	DNA methylation is associated with lung function in never smokers. <i>Respiratory Research</i> , 2019, 20, 268.	3.6	14
70	Association of alcohol consumption with allergic disease and asthma: a multi-centre Mendelian randomization analysis. <i>Addiction</i> , 2019, 114, 216-225.	3.3	14
71	Omega-3 Fatty Acids and Genome-Wide Interaction Analyses Reveal <i>DPP10</i> Pulmonary Function Association. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019, 199, 631-642.	5.6	14
72	Determinants of poor inhaler technique and poor therapy adherence in obstructive lung diseases: a cross-sectional study in community pharmacies. <i>BMJ Open Respiratory Research</i> , 2021, 8, e000823.	3.0	14

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73	Association between lutein intake and lung function in adults: the Rotterdam Study. <i>British Journal of Nutrition</i> , 2017, 117, 720-730.	2.3	12
74	β2-Adrenergic Receptor (ADRB2) Gene Polymorphisms and Risk of COPD Exacerbations: The Rotterdam Study. <i>Journal of Clinical Medicine</i> , 2019, 8, 1835.	2.4	12
75	Monoclonal antibodies in type 2 asthma: an updated network meta-analysis. <i>Minerva Medica</i> , 2021, 112, 573-581.	0.9	12
76	Optimization and Application of a Multiplex Digital PCR Assay for the Detection of SARS-CoV-2 Variants of Concern in Belgian Influent Wastewater. <i>Viruses</i> , 2022, 14, 610.	3.3	12
77	The Well-Known Gene <i>HHIP</i> and Novel Gene <i>MECR</i> Are Implicated in Small Airway Obstruction. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2016, 194, 1299-1302.	5.6	11
78	The interaction of cognitive and brain reserve with frailty in the association with mortality: an observational cohort study. <i>The Lancet Healthy Longevity</i> , 2021, 2, e194-e201.	4.6	11
79	A systematic analysis of protein-altering exonic variants in chronic obstructive pulmonary disease. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2021, 321, L130-L143.	2.9	11
80	Pharmacogenetics of inhaled corticosteroids and exacerbation risk in adults with asthma. <i>Clinical and Experimental Allergy</i> , 2022, 52, 33-45.	2.9	11
81	Meta-analysis of exome array data identifies six novel genetic loci for lung function. <i>Wellcome Open Research</i> , 0, 3, 4.	1.8	11
82	Current developments and future directions in COPD. <i>European Respiratory Review</i> , 2020, 29, 200289.	7.1	10
83	Lung Function Impairment and the Risk of Incident Dementia: The Rotterdam Study. <i>Journal of Alzheimer's Disease</i> , 2021, 82, 621-630.	2.6	10
84	Meta-analysis across Cohorts for Heart and Aging Research in Genomic Epidemiology (CHARGE) consortium provides evidence for an association of serum vitamin D with pulmonary function. <i>British Journal of Nutrition</i> , 2018, 120, 1159-1170.	2.3	9
85	Prevalence of Asthma and COPD and Blood Eosinophil Count in a Middle-Aged Belgian Population. <i>Journal of Clinical Medicine</i> , 2019, 8, 1122.	2.4	9
86	Atherosclerotic calcification in major vessel beds in chronic obstructive pulmonary disease: The Rotterdam Study. <i>Atherosclerosis</i> , 2019, 291, 107-113.	0.8	9
87	Occupational exposure to gases/fumes and mineral dust affect DNA methylation levels of genes regulating expression. <i>Human Molecular Genetics</i> , 2019, 28, 2477-2485.	2.9	9
88	Blood eosinophil level and lung function trajectories: cross-sectional and longitudinal studies in European cohorts. <i>ERJ Open Research</i> , 2020, 6, 00320-2020.	2.6	9
89	Pharmacogenetics in clinical practice: current level of knowledge among Flemish physicians and pharmacists. <i>Pharmacogenomics Journal</i> , 2021, 21, 78-84.	2.0	9
90	Macrolide-associated ototoxicity: a cross-sectional and longitudinal study to assess the association of macrolide use with tinnitus and hearing loss. <i>Journal of Antimicrobial Chemotherapy</i> , 2021, 76, 2708-2716.	3.0	9

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91	Sarcopenia, systemic immune-inflammation index and all-cause mortality in middle-aged and older people with COPD and asthma: a population-based study. <i>ERJ Open Research</i> , 2022, 8, 00628-2021.	2.6	9
92	A Genome-Wide Linkage Study for Chronic Obstructive Pulmonary Disease in a Dutch Genetic Isolate Identifies Novel Rare Candidate Variants. <i>Frontiers in Genetics</i> , 2018, 9, 133.	2.3	8
93	Sarcopenia in older people with chronic airway diseases: the Rotterdam study. <i>ERJ Open Research</i> , 2021, 7, 00522-2020.	2.6	8
94	Pulmonary function and diffusion capacity are associated with pulmonary arterial systolic pressure in the general population: The Rotterdam Study. <i>Respiratory Medicine</i> , 2017, 132, 50-55.	2.9	6
95	Targeted Therapy for Older Patients with Uncontrolled Severe Asthma: Current and Future Prospects. <i>Drugs and Aging</i> , 2016, 33, 619-628.	2.7	5
96	Dyspnea and Inhaled Corticosteroid and Long-acting β_2 -Agonist Therapy in an Occupational Cohort: A Longitudinal Study. <i>Annals of the American Thoracic Society</i> , 2020, 17, 770-773.	3.2	5
97	Lung function decline before and after treatment of World Trade Center associated obstructive airways disease with inhaled corticosteroids and long-acting beta agonists. <i>American Journal of Industrial Medicine</i> , 2021, 64, 853-860.	2.1	5
98	Novel genetic variants associated with inhaled corticosteroid treatment response in older adults with asthma. <i>Thorax</i> , 2023, 78, 432-441.	5.6	5
99	Airways diseases: asthma, COPD and chronic cough highlights from the European Respiratory Society Annual Congress 2018. <i>Journal of Thoracic Disease</i> , 2018, 10, S2992-S2997.	1.4	4
100	Limited overlap in significant hits between genome-wide association studies on two airflow obstruction definitions in the same population. <i>BMC Pulmonary Medicine</i> , 2019, 19, 58.	2.0	4
101	Lung function impairment in relation to cognition and vascular brain lesions: the Rotterdam Study. <i>Journal of Neurology</i> , 2022, 269, 4141-4153.	3.6	4
102	Serum Immunoglobulins, Pneumonia Risk, and Lung Function in Middle-Aged and Older Individuals: A Population-Based Cohort Study. <i>Frontiers in Immunology</i> , 2022, 13, .	4.8	4
103	Understanding age-related diseases: report of the 2015 Ageing Summit. <i>European Respiratory Journal</i> , 2016, 47, 5-9.	6.7	3
104	Sex-Specific Genetic Risk Factors for Chronic Obstructive Pulmonary Disease. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2017, 56, 281-282.	2.9	3
105	Epigenetic targets for lung diseases. <i>EBioMedicine</i> , 2019, 43, 24-25.	6.1	3
106	Factors Predicting Treatment of World Trade Center-Related Lung Injury: A Longitudinal Cohort Study. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 9056.	2.6	3
107	The global significance of PRISM: how data from low- and middle-income countries link physiology to inflammation. <i>European Respiratory Journal</i> , 2020, 55, 2000354.	6.7	3
108	ERS International Congress, Madrid, 2019: highlights from the Airway Diseases, Asthma and COPD Assembly. <i>ERJ Open Research</i> , 2020, 6, 00341-2019.	2.6	3

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109	Preserved Ratio Impaired Spirometry (PRISm) and mortality: the Rotterdam Study. , 2019, , .		3
110	Epigenome-wide association study on diffusing capacity of the lung. ERJ Open Research, 2021, 7, 00567-2020.	2.6	3
111	The Rotterdam study: why fall in COPD?. European Respiratory Journal, 2015, 46, 1530-1531.	6.7	2
112	Cardiac impact of inhaled therapy in the largest randomised placebo-controlled trial in COPD history: have we reached the SUMMIT?. ERJ Open Research, 2016, 2, 00055-2016.	2.6	2
113	LABA/LAMA Fixed Dose Combination in Chronic Obstructive Pulmonary Disease: The Impact on Health-Related Quality of Life. Respiration, 2018, 96, 370-381.	2.6	2
114	Effect of β -blockers on the risk of COPD exacerbations according to indication of use: the Rotterdam Study. ERJ Open Research, 2021, 7, 00624-2020.	2.6	2
115	Rare and low-frequency exonic variants and gene-by-smoking interactions in pulmonary function. Scientific Reports, 2021, 11, 19365.	3.3	2
116	Community pharmacist counseling improves adherence and asthma control: a nationwide study. BMC Health Services Research, 2022, 22, 112.	2.2	2
117	Comparison of cerebral blood flow in subjects with and without chronic obstructive pulmonary disease from the population-based Rotterdam Study. BMJ Open, 2021, 11, e053671.	1.9	2
118	Amazing pleiotropic effects of Azithromycin. Breathe, 2018, 14, 336-337.	1.3	1
119	Positive Associations of Dietary Marine Omega-3 Polyunsaturated Fatty Acids with Lung Function: A Meta-analysis (P18-087-19). Current Developments in Nutrition, 2019, 3, nzz039.P18-087-19.	0.3	1
120	When the Heart Steals Your Breath Away. Respiration, 2019, 97, 199-201.	2.6	1
121	A pragmatic randomized controlled trial to improve inhaler technique using mHealth. Clinical and Translational Allergy, 2020, 10, 59.	3.2	1
122	Incidence and predictors of asthma exacerbations in middle-aged and older adults: the Rotterdam Study. ERJ Open Research, 2021, 7, 00126-2021.	2.6	1
123	The implementation of risk minimization measures to prevent teratogenic pregnancy outcomes related to oral retinoid and valproate use in Belgium. Acta Clinica Belgica, 2021, , 1-8.	1.2	1
124	Improving inhaler technique in asthma/COPD by mHealth: a Belgian RCT. , 2019, , .		1
125	Meta-analysis of exome array data identifies six novel genetic loci for lung function. Wellcome Open Research, 0, 3, 4.	1.8	1
126	Benefits of Angiotensin-Converting Enzyme Inhibitors and Angiotensin-Receptor Blockers on Progression of Emphysema and Lung Function Decline. Chest, 2021, 160, 1160-1162.	0.8	1

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127	Personalizing Oral Corticosteroid Dose in Severe COPD Exacerbations. Chest, 2021, 160, 1581-1582.	0.8	1
128	Which COPD patients benefit from beta-blocker therapy?. Trends in Cardiovascular Medicine, 2021, , .	4.9	0