

Lauri Lehtimäki

List of Publications by Year in descending order

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Version: 2024-02-01

100
papers

2,405
citations

236612

25
h-index

233125

45
g-index

104
all docs

104
docs citations

104
times ranked

2938
citing authors

#	ARTICLE	IF	CITATIONS
1	A European Respiratory Society technical standard: exhaled biomarkers in lung disease. <i>European Respiratory Journal</i> , 2017, 49, 1600965.	3.1	432
2	Extended Exhaled NO Measurement Differentiates between Alveolar and Bronchial Inflammation. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2001, 163, 1557-1561.	2.5	172
3	Age-specific incidence of allergic and non-allergic asthma. <i>BMC Pulmonary Medicine</i> , 2020, 20, 9.	0.8	109
4	Eosinophilic and Noneosinophilic Asthma. <i>Chest</i> , 2021, 160, 814-830.	0.4	109
5	Diagnosis and Pharmacotherapy of Stable Chronic Obstructive Pulmonary Disease: The Finnish Guidelines. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2015, 116, 291-307.	1.2	94
6	Increased alveolar nitric oxide concentration and high levels of leukotriene B4 and 8-isoprostane in exhaled breath condensate in patients with asbestosis. <i>Thorax</i> , 2007, 62, 602-607.	2.7	62
7	Increased bronchial nitric oxide production in patients with asthma measured with a novel method of different exhalation flow rates. <i>Annals of Medicine</i> , 2000, 32, 417-423.	1.5	60
8	Understanding Dry Powder Inhalers: Key Technical and Patient Preference Attributes. <i>Advances in Therapy</i> , 2019, 36, 2547-2557.	1.3	59
9	Increased alveolar nitric oxide and systemic inflammation markers in silica-exposed workers. <i>Occupational and Environmental Medicine</i> , 2012, 69, 256-260.	1.3	48
10	Differences between asthma and COPD overlap syndrome and adult-onset asthma. <i>European Respiratory Journal</i> , 2017, 49, 1602383.	3.1	48
11	Prevalence of asthma and COPD overlap syndrome among primary care asthmatics with a smoking history: a cross-sectional study. <i>Npj Primary Care Respiratory Medicine</i> , 2015, 25, 15047.	1.1	46
12	Peripheral Inflammation in Patients with Asthmatic Symptoms but Normal Lung Function. <i>Journal of Asthma</i> , 2005, 42, 605-609.	0.9	44
13	Predictive value of exhaled nitric oxide in the management of asthma: a systematic review. <i>European Respiratory Journal</i> , 2016, 48, 706-714.	3.1	44
14	Urate Crystal Induced Inflammation and Joint Pain Are Reduced in Transient Receptor Potential Ankyrin 1 Deficient Mice – Potential Role for Transient Receptor Potential Ankyrin 1 in Gout. <i>PLoS ONE</i> , 2015, 10, e0117770.	1.1	42
15	Age- and gender-specific incidence of new asthma diagnosis from childhood to late adulthood. <i>Respiratory Medicine</i> , 2019, 154, 56-62.	1.3	42
16	Attenuation of TNF production and experimentally induced inflammation by PDE4 inhibitor rolipram is mediated by MAPK phosphatase-1. <i>British Journal of Pharmacology</i> , 2013, 169, 1525-1536.	2.7	41
17	Nordic consensus statement on the systematic assessment and management of possible severe asthma in adults. <i>European Clinical Respiratory Journal</i> , 2018, 5, 1440868.	0.7	40
18	Development of the International Severe Asthma Registry (ISAR): A Modified Delphi Study. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2019, 7, 578-588.e2.	2.0	39

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19	Adipokine resistin predicts anti-inflammatory effect of glucocorticoids in asthma. <i>Journal of Inflammation</i> , 2011, 8, 12.	1.5	38
20	Blood Eosinophil Depletion with Mepolizumab, Benralizumab, and Prednisolone in Eosinophilic Asthma. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020, 202, 1314-1316.	2.5	37
21	Adipokines NUCB2/Nesfatin-1 and Visfatin as Novel Inflammatory Factors in Chronic Obstructive Pulmonary Disease. <i>Mediators of Inflammation</i> , 2014, 2014, 1-6.	1.4	32
22	Alveolar and bronchial nitric oxide output in healthy children. <i>Pediatric Pulmonology</i> , 2008, 43, 1242-1248.	1.0	31
23	Daily physical activity and lung function decline in adult-onset asthma: a 12-year follow-up study. <i>European Clinical Respiratory Journal</i> , 2018, 5, 1533753.	0.7	29
24	International severe asthma registry (ISAR): protocol for a global registry. <i>BMC Medical Research Methodology</i> , 2020, 20, 212.	1.4	29
25	Bringing asthma care into the twenty-first century. <i>Npj Primary Care Respiratory Medicine</i> , 2020, 30, 25.	1.1	28
26	Pulmonary inflammation in asbestos-exposed subjects with borderline parenchymal changes on HRCT. <i>Respiratory Medicine</i> , 2010, 104, 1042-1049.	1.3	26
27	Annual costs of chronic obstructive pulmonary disease in Finland during 1996–2006 and a prediction model for 2007–2030. <i>Npj Primary Care Respiratory Medicine</i> , 2015, 25, 15015.	1.1	24
28	12-year adherence to inhaled corticosteroids in adult-onset asthma. <i>ERJ Open Research</i> , 2020, 6, 00324-2019.	1.1	23
29	Asthma Remission by Age at Diagnosis and Gender in a Population-Based Study. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2021, 9, 1950-1959.e4.	2.0	23
30	Inflammatory activity at school age in very low birth weight bronchopulmonary dysplasia survivors. <i>Pediatric Pulmonology</i> , 2015, 50, 683-690.	1.0	22
31	Cumulative effect of smoking on disease burden and multimorbidity in adult-onset asthma. <i>European Respiratory Journal</i> , 2019, 54, 1801580.	3.1	22
32	Pinosylvin Inhibits TRPA-Induced Calcium Influx <i>In Vitro</i> and TRPA-Mediated Acute Paw Inflammation <i>In Vivo</i> . <i>Basic and Clinical Pharmacology and Toxicology</i> , 2016, 118, 238-242.	1.2	21
33	Basic characteristics and clinical value of FeNO in smoking asthmatics—a systematic review. <i>Journal of Breath Research</i> , 2019, 13, 034003.	1.5	21
34	Utilising exhaled nitric oxide information to enhance diagnosis and therapy of respiratory disease – current evidence for clinical practice and proposals to improve the methodology. <i>Expert Review of Respiratory Medicine</i> , 2017, 11, 101-109.	1.0	20
35	Immediate bronchodilator response in $\hat{F}EV_{1}$ as a diagnostic criterion for adult Asthma. <i>European Respiratory Journal</i> , 2019, 53, 1800904.	3.1	20
36	Asthma in Competitive Cross-Country Skiers: A Systematic Review and Meta-analysis. <i>Sports Medicine</i> , 2020, 50, 1963-1981.	3.1	20

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37	Relation of bronchial and alveolar nitric oxide to exercise-induced bronchoconstriction in atopic children and adolescents. <i>Pediatric Allergy and Immunology</i> , 2012, 23, 360-366.	1.1	17
38	Flow-independent nitric oxide parameters in asthma: a systematic review and meta-analysis. <i>Journal of Breath Research</i> , 2019, 13, 044001.	1.5	16
39	Montelukast Is Not Effective in Controlling Allergic Symptoms Outside the Airways. <i>International Archives of Allergy and Immunology</i> , 2009, 149, 150-153.	0.9	15
40	Adiponectin is associated with dynamic hyperinflation and a favourable response to inhaled glucocorticoids in patients with COPD. <i>Respiratory Medicine</i> , 2014, 108, 122-128.	1.3	15
41	Glycoprotein YKL-40 Levels in Plasma Are Associated with Fibrotic Changes on HRCT in Asbestos-Exposed Subjects. <i>Mediators of Inflammation</i> , 2017, 2017, 1-7.	1.4	14
42	Predictors of Impaired Survival in Subjects With Long-Term Oxygen Therapy. <i>Respiratory Care</i> , 2019, 64, 1401-1409.	0.8	14
43	Bronchial Diffusing Capacity of Nitric Oxide Is Increased in Patients with Allergic Rhinitis. <i>International Archives of Allergy and Immunology</i> , 2009, 148, 154-160.	0.9	13
44	Non-invasive measurement of the haemodynamic effects of inhaled salbutamol, intravenous L-arginine and sublingual nitroglycerin. <i>British Journal of Clinical Pharmacology</i> , 2009, 68, 23-33.	1.1	13
45	Adipokine adiponin is associated with the degree of lung fibrosis in asbestos-exposed workers. <i>Respiratory Medicine</i> , 2012, 106, 1435-1440.	1.3	13
46	Comparison of feasibility and estimates of central and peripheral nitric oxide parameters by different mathematical models. <i>Journal of Breath Research</i> , 2017, 11, 047102.	1.5	13
47	Correlates of employment status in individuals with asthma: a cross-sectional survey. <i>Journal of Occupational Medicine and Toxicology</i> , 2017, 12, 19.	0.9	12
48	Increased bronchial NO output in severe atopic eczema in children and adolescents. <i>Pediatric Allergy and Immunology</i> , 2008, 19, 426-432.	1.1	11
49	Association of air humidity with incidence of exercise-induced bronchoconstriction in children. <i>Pediatric Pulmonology</i> , 2019, 54, 1830-1836.	1.0	11
50	Clinical Values of Nitric Oxide Parameters from the Respiratory System. <i>Current Medicinal Chemistry</i> , 2020, 27, 7189-7199.	1.2	11
51	Very low birthweight bronchopulmonary dysplasia survivors show no substantial association between lung function and current inflammatory markers. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2015, 104, 264-268.	0.7	10
52	Long-term adherence to inhaled corticosteroids and asthma control in adult-onset asthma. <i>ERJ Open Research</i> , 2021, 7, 00715-2020.	1.1	10
53	Lung function during and after acute respiratory infection in COVID-19 positive and negative outpatients. <i>European Respiratory Journal</i> , 2022, 59, 2102837.	3.1	10
54	Pulmonary Inflammation in Foundry Workers. <i>Journal of Occupational and Environmental Medicine</i> , 2015, 57, 124-128.	0.9	9

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55	Valved holding chamber drug delivery is dependent on breathing pattern and device design. ERJ Open Research, 2019, 5, 00158-2018.	1.1	8
56	Occupational exposures and asthmaâ€œCOPD overlap in a clinical cohort of adult-onset asthma. ERJ Open Research, 2019, 5, 00191-2019.	1.1	8
57	NORDSTAR: paving the way for a new era in asthma research. European Respiratory Journal, 2020, 55, 1902476.	3.1	7
58	Clinical value of bronchodilator response for diagnosing asthma in steroid-naïve adults. ERJ Open Research, 2021, 7, 00293-2021.	1.1	7
59	Long-Term Use of Short-Acting Î²2-Agonists in Patients With Adult-Onset Asthma. Journal of Allergy and Clinical Immunology: in Practice, 2022, 10, 2074-2083.e7.	2.0	7
60	Asthma trigger perceptions are associated with work disability. Respiratory Medicine, 2018, 139, 19-26.	1.3	6
61	Employment status and changes in working career in relation to asthma: a cross-sectional survey. Journal of Occupational Medicine and Toxicology, 2018, 13, 8.	0.9	6
62	Symptom control among asthmatics with a clinically significant smoking history: a cross-sectional study in Finland. BMC Pulmonary Medicine, 2020, 20, 88.	0.8	6
63	Dyspnea has an association with lifestyle: differences between Swedish and Finnish speaking persons in Western Finland. European Clinical Respiratory Journal, 2021, 8, 1855702.	0.7	6
64	Multimorbidity in Finnish and Swedish speaking Finns; association with daily habits and socioeconomic status â€œNordic EpiLung cross-sectional study. Preventive Medicine Reports, 2021, 22, 101338.	0.8	6
65	Higher prevalence but later age at onset of asthma in cross-country skiers compared with general population. Scandinavian Journal of Medicine and Science in Sports, 2021, 31, 2259-2266.	1.3	6
66	Influence of Childhood Exposure to a Farming Environment on Age at Asthma Diagnosis in a Population-Based Study. Journal of Asthma and Allergy, 2021, Volume 14, 1081-1091.	1.5	6
67	In vitro drug delivery performance of five valved holding chambers with and without facemasks. Pediatric Pulmonology, 2019, 54, 1457-1465.	1.0	5
68	Transient Receptor Potential Ankyrin 1 Enhances Ovalbumin-Induced Acute Allergic Inflammation in Murine Models. International Archives of Allergy and Immunology, 2019, 178, 238-247.	0.9	5
69	Asthma diagnosed in late adulthood is linked to work disability and poor employment status. Respiratory Medicine, 2019, 147, 76-78.	1.3	5
70	Clinical Findings among Patients with Respiratory Symptoms Related to Moisture Damage Exposure at the Workplaceâ€œThe SAMDAW Study. Healthcare (Switzerland), 2021, 9, 1112.	1.0	5
71	NSAID-exacerbated respiratory disease: a population study. ERJ Open Research, 2022, 8, 00462-2021.	1.1	5
72	Eosinophilic airway diseases: basic science, clinical manifestations and future challenges. European Clinical Respiratory Journal, 2022, 9, 2040707.	0.7	5

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73	Converting F_{ENO} by different flows to standard flow F_{ENO} . <i>Clinical Physiology and Functional Imaging</i> , 2019, 39, 315-321.	0.5	4
74	Observational cross-sectional study on Symptoms Associated to Moisture DAmage at Workplace: the SAMDAW study protocol. <i>BMJ Open</i> , 2019, 9, e026485.	0.8	4
75	Relationship between age and bronchodilator response at diagnosis in adult-onset asthma. <i>Respiratory Research</i> , 2020, 21, 179.	1.4	4
76	Optimal administration of bronchodilators with valved holding chambers in preschool children: a review of literature. <i>European Journal of Pediatrics</i> , 2021, 180, 3101-3109.	1.3	4
77	Sampling site for SARS-CoV-2 RT-PCR—An inpatient four-site comparison from Tampere, Finland. <i>PLoS ONE</i> , 2021, 16, e0260184.	1.1	4
78	Assessing Symptom Burden and Depression in Subjects With Chronic Respiratory Insufficiency. <i>Journal of Palliative Care</i> , 2022, 37, 134-141.	0.4	4
79	Survival and end-of-life aspects among subjects on long-term noninvasive ventilation. <i>European Clinical Respiratory Journal</i> , 2021, 8, 1840494.	0.7	3
80	High training volume is associated with increased prevalence of non-allergic asthma in competitive cross-country skiers. <i>BMJ Open Sport and Exercise Medicine</i> , 2022, 8, e001315.	1.4	3
81	Influence of mouthwashes on extended exhaled nitric oxide (FENO) analysis. <i>Scandinavian Journal of Clinical and Laboratory Investigation</i> , 2018, 78, 450-455.	0.6	2
82	Antistatic treatment and salbutamol dosing have variable effect on drug delivery of valved holding chambers. <i>Pulmonary Pharmacology and Therapeutics</i> , 2019, 59, 101857.	1.1	2
83	Valved holding chambers vary considerably in drug delivery efficacy. , 2018, , .		2
84	Onset of action of inhaled glucocorticoids on bronchial and alveolar nitric oxide output. <i>Journal of Breath Research</i> , 2021, 15, 016008.	1.5	2
85	Outdoor pollen concentration is not associated with exercise-induced bronchoconstriction in children. <i>Pediatric Pulmonology</i> , 2022, 57, 695-701.	1.0	2
86	Regional variation in intensity of inhaled asthma medication and oral corticosteroid use in Denmark, Finland, and Sweden. <i>European Clinical Respiratory Journal</i> , 2022, 9, 2066815.	0.7	2
87	Nasal nitric oxide is decreased in acute mild COVID-19 and related to viral load. <i>Journal of Breath Research</i> , 2022, 16, 046003.	1.5	2
88	How to Assess Alveolar Nitric Oxide. <i>Chest</i> , 2014, 146, e234-e235.	0.4	1
89	Repeatability and variation of the flow independent nitric oxide parameters. <i>Journal of Breath Research</i> , 2020, 14, 026002.	1.5	1
90	Mouthpiece ventilation in the management of dyspnea: A single-arm pilot study. <i>Palliative Medicine</i> , 2020, 34, 1274-1278.	1.3	1

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91	Dyspnea on Exercise Is Associated with Overall Symptom Burden in Patients with Chronic Respiratory Insufficiency. Palliative Medicine Reports, 2021, 2, 48-53.	0.4	1
92	High alveolar nitric oxide is associated with steeper lung function decline in foundry workers. Journal of Breath Research, 2021, 15, 036002.	1.5	1
93	Effect of exhalation flow rates and level of nitric oxide output on accuracy of linear approximation of pulmonary nitric oxide dynamics. Journal of Breath Research, 2021, 15, 036003.	1.5	1
94	Heterogeneity of emergency treatment practices in wheezing preschool children. Acta Paediatrica, International Journal of Paediatrics, 2021, 110, 2448-2454.	0.7	1
95	Mutations by Next Generation Sequencing in Stool DNA from Colorectal Carcinoma Patients – A Literature Review and our Experience with this Methodology. Journal of Analytical Oncology, 2016, 5, 24-32.	0.1	1
96	Multiple Chemical Sensitivity in Patients Exposed to Moisture Damage at Work and in General Working-Age Population – The SAMDAW Study. International Journal of Environmental Research and Public Health, 2021, 18, 12296.	1.2	1
97	Reply to Lipworth et al.: Don't Forget about Facilitatory Effects of Corticosteroids on β_2 -Adrenoceptors in Acute Asthma. American Journal of Respiratory and Critical Care Medicine, 2020, 202, 1743-1744.	2.5	0
98	Minimising the environmental impact of inhaled therapies. European Respiratory Journal, 2020, 55, 2000721.	3.1	0
99	Exhaled nitric oxide physiology and modeling. , 2020, , 63-77.		0
100	Asthma Diagnosis without Aerosol-Generating Procedures (Spirometry): Evidence for and Beyond the COVID-19 Pandemic. Journal of Allergy and Clinical Immunology: in Practice, 2021, 9, 4252-4253.	2.0	0