Sven-Erik DahlÃ©n

List of Publications by Year
in descending order

93 papers	8,804 citations	109137 35 h-index	43802 91 g-index
95 all docs	95 docs citations	95 times ranked	7722 citing authors

#	Article	IF	Citations
1	International ERS/ATS guidelines on definition, evaluation and treatment of severe asthma. European Respiratory Journal, 2014, 43, 343-373.	3.1	2,898
2	Leukotrienes are potent constrictors of human bronchi. Nature, 1980, 288, 484-486.	13.7	944
3	Clinical and inflammatory characteristics of the European U-BIOPRED adult severe asthma cohort. European Respiratory Journal, 2015, 46, 1308-1321.	3.1	434
4	Benefits from Adding the 5-Lipoxygenase Inhibitor Zileuton to Conventional Therapy in Aspirin-intolerant Asthmatics. American Journal of Respiratory and Critical Care Medicine, 1998, 157, 1187-1194.	2.5	372
5	Identification and biological activity of novel Ï‰-oxidized metabolites of leukotriene B4 from human leukocytes. FEBS Letters, 1981, 130, 107-112.	1.3	313
6	Improvement of Aspirin-Intolerant Asthma by Montelukast, a Leukotriene Antagonist. American Journal of Respiratory and Critical Care Medicine, 2002, 165, 9-14.	2.5	307
7	Urinary Excretion of Leukotriene E4and 11-dehydro-Thromboxane B2in Response to Bronchial Provocations with Allergen, Aspirin, Leukotriene D4, and Histamine in Asthmatics. The American Review of Respiratory Disease, 1992, 146, 96-103.	2.9	293
8	Biological profile of leukotrienes C₄ and D₄. Acta Physiologica Scandinavica, 1980, 110, 331-333.	2.3	239
9	Leukotriene C4 affects pulmonary and cardiovascular dynamics in monkey. Nature, 1982, 295, 327-329.	13.7	198
10	Increased urinary excretion of the prostaglandin D2 metabolite 9Î±,11Î²-prostaglandin F2 after aspirin challenge supports mast cell activation in aspirin-induced airway obstruction. Journal of Allergy and Clinical Immunology, 1996, 98, 421-432.	1.5	163
11	Toward clinically applicable biomarkers for asthma: An <scp>EAACI</scp> position paper. Allergy: European Journal of Allergy and Clinical Immunology, 2019, 74, 1835-1851.	2.7	135
12	Prostaglandin E 2 suppresses human group 2 innate lymphoid cell function. Journal of Allergy and Clinical Immunology, 2018, 141, 1761-1773.e6.	1.5	119
13	Human lung natural killer cells are predominantly comprised of highly differentiated hypofunctional CD69 â^’ CD56 dim cells. Journal of Allergy and Clinical Immunology, 2017, 139, 1321-1330.e4.	1.5	113
14	Increased YKL-40 and Chitotriosidase in Asthma and Chronic Obstructive Pulmonary Disease. American Journal of Respiratory and Critical Care Medicine, 2016, 193, 131-142.	2.5	107
15	Treatment of asthma with antileukotrienes: First line or last resort therapy?. European Journal of Pharmacology, 2006, 533, 40-56.	1.7	106
16	Tissue-specific transcriptional imprinting and heterogeneity in human innate lymphoid cells revealed by full-length single-cell RNA-sequencing. Cell Research, 2021, 31, 554-568.	5.7	97
17	IL-17â€“high asthma with features of a psoriasis immunophenotype. Journal of Allergy and Clinical Immunology, 2019, 144, 1198-1213.	1.5	80
18	Mechanisms of leukotrieneâ€induced contractions of guinea pig airways: Leukotriene C₄ has a potent direct action whereas leukotriene B₄ acts indirectly. Acta Physiologica Scandinavica, 1983, 118, 393-403.	2.3	78

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19	Prostaglandin E2 inhibits mast cellâ€"dependent bronchoconstriction in human small airways through the E prostanoid subtype 2 receptor. Journal of Allergy and Clinical Immunology, 2015, 136, 1232-1239.e1.	1.5	78
20	IL-13 and IL-4, but not IL-5 nor IL-17A, induce hyperresponsiveness in isolated human small airways. Journal of Allergy and Clinical Immunology, 2020, 145, 808-817.e2.	1.5	76
21	Identification and prospective stability of electronic nose (eNose)â€"derived inflammatory phenotypes in patients with severe asthma. Journal of Allergy and Clinical Immunology, 2019, 143, 1811-1820.e7.	1.5	74
22	Linoleic acid-derived lipid mediators increase in a female-dominated subphenotype of COPD. European Respiratory Journal, 2016, 47, 1645-1656.	3.1	61
23	Activated prostaglandin D2 receptors on macrophages enhance neutrophil recruitment into the lung. Journal of Allergy and Clinical Immunology, 2016, 137, 833-843.	1.5	61
24	Stratification of asthma phenotypes by airway proteomic signatures. Journal of Allergy and Clinical Immunology, 2019, 144, 70-82.	1.5	59
25	Cytokine-induced endogenous production of prostaglandin D2 is essential for human group 2 innate lymphoid cell activation. Journal of Allergy and Clinical Immunology, 2019, 143, 2202-2214.e5.	1.5	57
26	Household Costs Associated with Objectively Diagnosed Allergy to Staple Foods in Children and Adolescents. Journal of Allergy and Clinical Immunology: in Practice, 2015, 3, 68-75.	2.0	55
27	Predicting asthma morbidity in children using proposed markers of Th2â€type inflammation. Pediatric Allergy and Immunology, 2015, 26, 772-779.	1.1	52
28	Bitter taste receptor (TAS2R) agonists inhibit IgE-dependent mast cell activation. Journal of Allergy and Clinical Immunology, 2014, 134, 475-478.	1.5	51
29	Sputum microbiome profiles identify severe asthma phenotypes of relative stability at 12 to 18 months. Journal of Allergy and Clinical Immunology, 2021, 147, 123-134.	1.5	51
30	Urinary Leukotriene E₄and Prostaglandin D₂Metabolites Increase in Adult and Childhood Severe Asthma Characterized by Type 2 Inflammation. A Clinical Observational Study. American Journal of Respiratory and Critical Care Medicine, 2021, 203, 37-53.	2.5	49
31	Bitter taste receptor agonists mediate relaxation of human and rodent vascular smooth muscle. European Journal of Pharmacology, 2014, 740, 302-311.	1.7	46
32	Effects of selective COX-2 inhibition on allergen-induced bronchoconstriction and airway inflammation in asthma. Journal of Allergy and Clinical Immunology, 2014, 134, 306-313.	1.5	45
33	Quantification of Lipid Mediator Metabolites in Human Urine from Asthma Patients by Electrospray Ionization Mass Spectrometry: Controlling Matrix Effects. Analytical Chemistry, 2013, 85, 7866-7874.	3.2	44
34	Bronchial responsiveness to leukotriene D4 is resistant to inhaled fluticasone propionate. Journal of Allergy and Clinical Immunology, 2006, 118, 78-83.	1.5	43
35	Current perspective on eicosanoids in asthma and allergic diseases: EAACI Task Force consensus report, part I. Allergy: European Journal of Allergy and Clinical Immunology, 2021, 76, 114-130.	2.7	40
36	The Effect of Omega-3 Fatty Acids on Bronchial Hyperresponsiveness, Sputum Eosinophilia, and Mast Cell Mediators in Asthma. Chest, 2015, 147, 397-405.	0.4	36

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37	Leukotriene E4 induces airflow obstruction and mast cell activation through the cysteinyl leukotriene type 1 receptor. Journal of Allergy and Clinical Immunology, 2018, 142, 1080-1089.	1.5	36
38	Toll-Like Receptor Ligands LPS and Poly (I:C) Exacerbate Airway Hyperresponsiveness in a Model of Airway Allergy in Mice, Independently of Inflammation. PLoS ONE, 2014, 9, e104114.	1.1	36
39	The significance of liberated cyclooxygenase products for the pulmonary and cardiovascular actions of leukotriene C₄ in the guinea pig depends upon the route of administration. Acta Physiologica Scandinavica, 1983, 118, 415-421.	2.3	35
40	Lipid Mediator Quantification in Isolated Human and Guinea Pig Airways: An Expanded Approach for Respiratory Research. Analytical Chemistry, 2018, 90, 10239-10248.	3.2	33
41	Pulmonary Gas Exchange and Sputum Cellular Responses to Inhaled Leukotriene D4in Asthma. American Journal of Respiratory and Critical Care Medicine, 2001, 164, 202-206.	2.5	32
42	An Optimized Protocol for the Isolation and Functional Analysis of Human Lung Mast Cells. Frontiers in Immunology, 2018, 9, 2193.	2.2	31
43	Treating severe asthma: Targeting the ILâ€5 pathway. Clinical and Experimental Allergy, 2021, 51, 992-1005.	1.4	30
44	Association of Differential Mast Cell Activation with Granulocytic Inflammation in Severe Asthma. American Journal of Respiratory and Critical Care Medicine, 2022, 205, 397-411.	2.5	30
45	Impaired health-related quality of life in adolescents with allergy to staple foods. Clinical and Translational Allergy, 2016, 6, 37.	1.4	29
46	Exhaled volatile organic compounds as markers for medication use in asthma. European Respiratory Journal, 2020, 55, 1900544.	3.1	27
47	Back to the future: re-establishing guinea pig<i>in vivo</i>asthma models. Clinical Science, 2020, 134, 1219-1242.	1.8	26
48	RNA-containing exosomes in induced sputum of asthmatic patients. Journal of Allergy and Clinical Immunology, 2017, 140, 1459-1461.e2.	1.5	25
49	Fixed airflow obstruction relates to eosinophil activation in asthmatics. Clinical and Experimental Allergy, 2019, 49, 155-162.	1.4	24
50	Dual Inhibitory Action of Nedocromil Sodium on Antigen-Induced Inflammation. Drugs, 1989, 37, 63-68.	4.9	23
51	An alternative pathway for metabolism of leukotriene D4 : effects on contractions to cysteinyl-leukotrienes in the guinea-pig trachea. British Journal of Pharmacology, 2001, 133, 1134-1144.	2.7	23
52	Flushing, fatigue, and recurrent anaphylaxis: a delayed diagnosis of mastocytosis. Lancet, The, 2014, 383, 1608.	6.3	23
53	eNose breath prints as a surrogate biomarker for classifying patients with asthma by atopy. Journal of Allergy and Clinical Immunology, 2020, 146, 1045-1055.	1.5	22
54	Quantitative metabolic profiling of urinary eicosanoids for clinical phenotyping. Journal of Lipid Research, 2019, 60, 1164-1173.	2.0	20

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55	Enhanced expression of neuropeptide S (NPS) receptor in eosinophils from severe asthmatics and subjects with total IgE above 100IU/ml. Peptides, 2014, 51, 100-109.	1.2	17
56	Lipid phenotyping of lung epithelial lining fluid in healthy human volunteers. Metabolomics, 2018, 14, 123.	1.4	17
57	Large-Scale Label-Free Quantitative Mapping of the Sputum Proteome. Journal of Proteome Research, 2018, 17, 2072-2091.	1.8	16
58	Human tissue models for a human disease: what are the barriers?. Thorax, 2015, 70, 695-697.	2.7	15
59	A longitudinal assessment of circulating <scp>YKL</scp>â€40 levels in preschool children with wheeze. Pediatric Allergy and Immunology, 2017, 28, 79-85.	1.1	15
60	Functional phenotypes determined by fluctuation-based clustering of lung function measurements in healthy and asthmatic cohort participants. Thorax, 2018, 73, 107-115.	2.7	15
61	Epithelial dysregulation in obese severe asthmatics with gastro-oesophageal reflux. European Respiratory Journal, 2019, 53, 1900453.	3.1	15
62	Quality of life in relation to the traffic pollution indicators NO₂and NO_x: results from the Swedish GA²LEN survey. BMJ Open Respiratory Research, 2014, 1, e000039.	1.2	14
63	TSLP in Asthma â€" A New Kid on the Block?. New England Journal of Medicine, 2014, 370, 2144-2145.	13.9	13
64	Urinary excretion of lipid mediators in response to repeated eucapnic voluntary hyperpnea in asthmatic subjects. Journal of Applied Physiology, 2015, 119, 272-279.	1.2	13
65	Eicosanoid dysregulation and type 2 inflammation in AERD. Journal of Allergy and Clinical Immunology, 2021, 148, 1157-1160.	1.5	13
66	Urinary metabotype of severe asthma evidences decreased carnitine metabolism independent of oral corticosteroid treatment in the U-BIOPRED study. European Respiratory Journal, 2022, 59, 2101733.	3.1	13
67	Mannitol triggers mast cellâ€"dependent contractions of human small bronchi and prostacyclin bronchoprotection. Journal of Allergy and Clinical Immunology, 2019, 144, 984-992.	1.5	12
68	Distinct plasma biomarkers confirm the diagnosis of mastocytosis and identify increased risk of anaphylaxis. Journal of Allergy and Clinical Immunology, 2021, 148, 889-894.	1.5	12
69	Leukotriene receptors. Clinical Reviews in Allergy and Immunology, 1999, 17, 179-191.	2.9	10
70	Eosinophils synthesize trihydroxyoctadecenoic acids (TriHOMEs) via a 15-lipoxygenase dependent process. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2020, 1865, 158611.	1.2	10
71	Medication Adherence in Patients With Severe Asthma Prescribed Oral Corticosteroids in the U-BIOPRED Cohort. Chest, 2021, 160, 53-64.	0.4	10
72	Plasma proteins elevated in severe asthma despite oral steroid use and unrelated to Type-2 inflammation. European Respiratory Journal, 2022, 59, 2100142.	3.1	10

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73	Effects of nonâ€steroidal antiâ€inflammatory drugs and other eicosanoid pathway modifiers on antiviral and allergic responses: EAACI task force on eicosanoids consensus report in times of COVIDâ€19. Allergy: European Journal of Allergy and Clinical Immunology, 2022, 77, 2337-2354.	2.7	9
74	The association between asthma and rhinitis is stable over time despite diverging trends in prevalence. Respiratory Medicine, 2015, 109, 312-319.	1.3	8
75	Asthma research in Europe: a transformative agenda for innovation andÂcompetitiveness. European Respiratory Journal, 2017, 49, 1602294.	3.1	7
76	Prominent release of lipoxygenase generated mediators in a murine house dust mite-induced asthma model. Prostaglandins and Other Lipid Mediators, 2018, 137, 20-29.	1.0	7
77	Food allergy-related concerns during the transition to self-management. Allergy, Asthma and Clinical Immunology, 2019, 15, 54.	0.9	7
78	Selective inhibition of prostaglandin D₂ biosynthesis in human mast cells to overcome need for multiple receptor antagonists: Biochemical consequences. Clinical and Experimental Allergy, 2021, 51, 594-603.	1.4	7
79	Activation of succinate receptor 1 boosts human mast cell reactivity and allergic bronchoconstriction. Allergy: European Journal of Allergy and Clinical Immunology, 2022, 77, 2677-2687.	2.7	7
80	AsthmaMap: An interactive knowledge repository for mechanisms of asthma. Journal of Allergy and Clinical Immunology, 2021, 147, 853-856.	1.5	6
81	Soluble epoxide hydrolase derived lipid mediators are elevated in bronchoalveolar lavage fluid from patients with sarcoidosis: a cross-sectional study. Respiratory Research, 2018, 19, 236.	1.4	4
82	Lipoxin A4 reduces house dust mite and TNFÎ±-induced hyperreactivity in the mouse trachea. Prostaglandins and Other Lipid Mediators, 2020, 149, 106428.	1.0	4
83	Reply to Thomson: Exposure to Active and Passive Tobacco Smoke on Urinary Eicosanoid Metabolites in Type 2 Asthma. American Journal of Respiratory and Critical Care Medicine, 2021, 203, 1204-1205.	2.5	4
84	Association of endopeptidases, involved in SARSâ€CoVâ€2 infection, with microbial aggravation in sputum of severe asthma. Allergy: European Journal of Allergy and Clinical Immunology, 2021, 76, 1917-1921.	2.7	3
85	Prostaglandin D2 inhibits mediator release and antigen induced bronchoconstriction in the Guinea pig trachea by activation of DP1 receptors. European Journal of Pharmacology, 2021, 907, 174282.	1.7	3
86	YKLâ€40 is a proposed biomarker of inflammation and remodelling elevated in children with bronchopulmonary dysplasia compared to asthma. Acta Paediatrica, International Journal of Paediatrics, 2021, 110, 641-642.	0.7	2
87	COX-1 dependent biosynthesis of 15-hydroxyeicosatetraenoic acid in human mast cells. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2021, 1866, 158886.	1.2	2
88	Leukotriene receptors (version 2019.4) in the IUPHAR/BPS Guide to Pharmacology Database. IUPHAR/BPS Guide To Pharmacology CITE, 2019, 2019, .	0.2	2
89	Socioâ€economic impact of objectivelyâ€diagnosed allergy to staple foods in children and adolescents. Clinical and Translational Allergy, 2015, 5, P14.	1.4	1
90	Distinct effects of antigen and compound 48/80 in the guinea pig trachea. Allergy: European Journal of Allergy and Clinical Immunology, 2021, 76, 2270-2273.	2.7	1

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91	Formylpeptide receptors in GtoPdb v.2021.2. IUPHAR/BPS Guide To Pharmacology CITE, 2021, 2021, .	0.2	1
92	Formylpeptide receptors (version 2019.4) in the IUPHAR/BPS Guide to Pharmacology Database. IUPHAR/BPS Guide To Pharmacology CITE, 2019, 2019, .	0.2	0
93	Leukotriene receptors (version 2020.3) in the IUPHAR/BPS Guide to Pharmacology Database. IUPHAR/BPS Guide To Pharmacology CITE, 2020, 2020, .	0.2	0