

Sanna Toppila-Salmi

List of Publications by Year in descending order

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Version: 2024-02-01

116
papers

5,360
citations

147566

31
h-index

110170

64
g-index

122
all docs

122
docs citations

122
times ranked

4797
citing authors

#	ARTICLE	IF	CITATIONS
1	European Position Paper on Rhinosinusitis and Nasal Polyps 2020. <i>Rhinology</i> , 2020, 58, 1-464.	0.7	1,555
2	Allergic rhinitis. <i>Nature Reviews Disease Primers</i> , 2020, 6, 95.	18.1	331
3	Next-generation Allergic Rhinitis and Its Impact on Asthma (ARIA) guidelines for allergic rhinitis based on Grading of Recommendations Assessment, Development and Evaluation (GRADE) and real-world evidence. <i>Journal of Allergy and Clinical Immunology</i> , 2020, 145, 70-80.e3.	1.5	272
4	Executive Summary of EPOS 2020 Including Integrated Care Pathways. <i>Rhinology</i> , 2020, 58, 82-111.	0.7	245
5	Lack of efficacy of long-term, low-dose azithromycin in chronic rhinosinusitis: a randomized controlled trial. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2011, 66, 1457-1468.	2.7	151
6	2019 ARIA Care pathways for allergen immunotherapy. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2019, 74, 2087-2102.	2.7	140
7	Intranasal corticosteroids in allergic rhinitis in COVID-19 infected patients: An ARIA-EAACI statement. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2020, 75, 2440-2444.	2.7	114
8	Benefits and harm of systemic steroids for short- and long-term use in rhinitis and rhinosinusitis: an EAACI position paper. <i>Clinical and Translational Allergy</i> , 2020, 10, 1.	1.4	110
9	MASK 2017: ARIA digitally-enabled, integrated, person-centred care for rhinitis and asthma multimorbidity using real-world-evidence. <i>Clinical and Translational Allergy</i> , 2018, 8, 45.	1.4	104
10	Allergic Rhinitis and its Impact on Asthma (ARIA) Phase 4 (2018): Change management in allergic rhinitis and asthma multimorbidity using mobile technology. <i>Journal of Allergy and Clinical Immunology</i> , 2019, 143, 864-879.	1.5	103
11	Mobile technology offers novel insights into the control and treatment of allergic rhinitis: The MASK study. <i>Journal of Allergy and Clinical Immunology</i> , 2019, 144, 135-143.e6.	1.5	101
12	Next-generation ARIA care pathways for rhinitis and asthma: a model for multimorbid chronic diseases. <i>Clinical and Translational Allergy</i> , 2019, 9, 44.	1.4	87
13	Handling of allergen immunotherapy in the COVID-19 pandemic: An ARIA-EAACI statement. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2020, 75, 1546-1554.	2.7	87
14	Guidance to 2018 good practice: ARIA digitally-enabled, integrated, person-centred care for rhinitis and asthma. <i>Clinical and Translational Allergy</i> , 2019, 9, 16.	1.4	81
15	COVID-19 pandemic: Practical considerations on the organization of an allergy clinic – An EAACI/ARIA Position Paper. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2021, 76, 648-676.	2.7	79
16	Adherence to treatment in allergic rhinitis using mobile technology. The MASK Study. <i>Clinical and Experimental Allergy</i> , 2019, 49, 442-460.	1.4	73
17	Daily allergic multimorbidity in rhinitis using mobile technology: A novel concept of the MASK study. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2018, 73, 1622-1631.	2.7	69
18	ARIA-EAACI statement on asthma and COVID-19 (June 2, 2020). <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2021, 76, 689-697.	2.7	57

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19	Transfer of innovation on allergic rhinitis and asthma multimorbidity in the elderly (<sc>MACVIA</sc> & <sc>ARIA</sc>) & <sc>EIP</sc> on <sc>AHA</sc> Twinning Reference Site (<sc>GARD</sc> research demonstration project). Allergy: European Journal of Allergy and Clinical Immunology, 2018, 73, 77-92.	2.7	54
20	<sc>ARIA</sc> pharmacy 2018 & & Allergic rhinitis care pathways for community pharmacy& Allergy: European Journal of Allergy and Clinical Immunology, 2019, 74, 1219-1236.	2.7	52
21	Higher mortality of adults with asthma: A 15&year follow&up of a population&based cohort. Allergy: European Journal of Allergy and Clinical Immunology, 2018, 73, 1479-1488.	2.7	46
22	ARIA digital anamorphosis: Digital transformation of health and care in airway diseases from research to practice. Allergy: European Journal of Allergy and Clinical Immunology, 2021, 76, 168-190.	2.7	46
23	Real&life assessment of chronic rhinosinusitis patients using mobile technology: The mySinusitisCoach project by EUFOREA. Allergy: European Journal of Allergy and Clinical Immunology, 2020, 75, 2867-2878.	2.7	45
24	Mobile Technology in Allergic Rhinitis: Evolution in Management or Revolution in Health and Care?. Journal of Allergy and Clinical Immunology: in Practice, 2019, 7, 2511-2523.	2.0	44
25	Endothelial L&selectin ligand expression in nasal polyps. Allergy: European Journal of Allergy and Clinical Immunology, 2010, 65, 95-102.	2.7	41
26	Caveolar transport through nasal epithelium of birch pollen allergen Bet v 1 in allergic patients. Journal of Allergy and Clinical Immunology, 2009, 124, 135-142.e21.	1.5	40
27	Molecular Mechanisms of Nasal Epithelium in Rhinitis and Rhinosinusitis. Current Allergy and Asthma Reports, 2015, 15, 495.	2.4	40
28	The multi&faceted role of allergen exposure to the local airway mucosa. Allergy: European Journal of Allergy and Clinical Immunology, 2013, 68, 152-160.	2.7	38
29	Sensitization pattern affects the asthma risk in <sc>F</sc>innish adult population. Allergy: European Journal of Allergy and Clinical Immunology, 2015, 70, 1112-1120.	2.7	38
30	Treatment of allergic rhinitis during and outside the pollen season using mobile technology. A MASK study. Clinical and Translational Allergy, 2020, 10, 62.	1.4	34
31	Geolocation with respect to personal privacy for the Allergy Diary app - a MASK study. World Allergy Organization Journal, 2018, 11, 15.	1.6	33
32	Management of patients with chronic rhinosinusitis during the COVID&19 pandemic& An EAACI position paper. Allergy: European Journal of Allergy and Clinical Immunology, 2021, 76, 677-688.	2.7	33
33	Potential Interplay between Nrf2, TRPA1, and TRPV1 in Nutrients for the Control of COVID-19. International Archives of Allergy and Immunology, 2021, 182, 324-338.	0.9	33
34	Time&series nasal epithelial transcriptomics during natural pollen exposure in healthy subjects and allergic patients. Allergy: European Journal of Allergy and Clinical Immunology, 2010, 65, 175-183.	2.7	32
35	Long-term follow-up after ESS and balloon sinuplasty: Comparison of symptom reduction and patient satisfaction. Acta Oto-Laryngologica, 2016, 136, 532-536.	0.3	32
36	Correlation between work impairment, scores of rhinitis severity and asthma using the MASK&air^Â App. Allergy: European Journal of Allergy and Clinical Immunology, 2020, 75, 1672-1688.	2.7	32

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37	EPOS2020: development strategy and goals for the latest European Position Paper on Rhinosinusitis. <i>Rhinology</i> , 2019, 57, 162-169.	0.7	32
38	Development and validation of combined symptom–medication scores for allergic rhinitis*. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2022, 77, 2147-2162.	2.7	32
39	Risk of adult–onset asthma increases with the number of allergic multimorbidities and decreases with age. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2019, 74, 2406-2416.	2.7	28
40	Predictors of post-operative response to treatment: a double blind placebo controlled study in chronic rhinosinusitis patients. <i>Rhinology</i> , 2011, 49, 413-419.	0.7	28
41	Factors affecting revision rate of chronic rhinosinusitis. <i>Laryngoscope Investigative Otolaryngology</i> , 2016, 1, 96-105.	0.6	26
42	Genomics of asthma, allergy and chronic rhinosinusitis: novel concepts and relevance in airway mucosa. <i>Clinical and Translational Allergy</i> , 2020, 10, 45.	1.4	26
43	Computed tomography findings after endoscopic sinus surgery with preserving or enlarging maxillary sinus ostium surgery. <i>Rhinology</i> , 2011, 49, 438-444.	0.7	25
44	ARIA–EAACI care pathways for allergen immunotherapy in respiratory allergy. <i>Clinical and Translational Allergy</i> , 2021, 11, e12014.	1.4	24
45	Expression of Toll–like receptors in nasal epithelium in allergic rhinitis. <i>Apmis</i> , 2015, 123, 716-725.	0.9	23
46	Spices to Control COVID-19 Symptoms: Yes, but Not Only–. <i>International Archives of Allergy and Immunology</i> , 2021, 182, 489-495.	0.9	23
47	Endoscopic Sinus Surgery Might Reduce Exacerbations and Symptoms More than Balloon Sinuplasty. <i>American Journal of Rhinology and Allergy</i> , 2012, 26, e150-e156.	1.0	22
48	Airway Epithelial Dynamics in Allergy and Related Chronic Inflammatory Airway Diseases. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 204.	1.8	21
49	Self-Reported Allergic Rhinitis and/or Allergic Conjunctivitis Associate with <i>IL13</i> rs20541 Polymorphism in Finnish Adult Asthma Patients. <i>International Archives of Allergy and Immunology</i> , 2017, 172, 123-128.	0.9	20
50	High Discontinuation Rates of Peroral ASA Treatment for CRSwNP: A Real-World Multicenter Study of 171 N-ERD Patients. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2020, 8, 3565-3574.	2.0	19
51	Maternal smoking during pregnancy affects adult onset of asthma in offspring: a follow up from birth to age 46–...years. <i>European Respiratory Journal</i> , 2020, 55, 1901857.	3.1	19
52	Diagnostic Accuracy of Symptoms, Endoscopy, and Imaging Signs of Chronic Rhinosinusitis Without Nasal Polyps Compared to Allergic Rhinitis. <i>American Journal of Rhinology and Allergy</i> , 2018, 32, 121-131.	1.0	17
53	Behavioural patterns in allergic rhinitis medication in Europe: A study using MASK–air^{Â®} real–world data. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2022, 77, 2699-2711.	2.7	17
54	A Co-culture Model of PBMC and Stem Cell Derived Human Nasal Epithelium Reveals Rapid Activation of NK and Innate T Cells Upon Influenza A Virus Infection of the Nasal Epithelium. <i>Frontiers in Immunology</i> , 2018, 9, 2514.	2.2	16

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55	Primary Prevention of Airway Allergy. <i>Current Treatment Options in Allergy</i> , 2018, 5, 347-355.	0.9	16
56	A comparison of biologicals in the treatment of adults with severe asthma – real-life experiences. <i>Asthma Research and Practice</i> , 2020, 6, 2.	1.2	16
57	Management of anaphylaxis due to COVID-19 vaccines in the elderly. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2021, 76, 2952-2964.	2.7	16
58	Next-generation care pathways for allergic rhinitis and asthma multimorbidity: a model for multimorbid non-communicable diseases – Meeting Report (Part 2). <i>Journal of Thoracic Disease</i> , 2019, 11, 4072-4084.	0.6	15
59	Indoleamine 2,3-dioxygenase expression is associated with chronic rhinosinusitis with nasal polyps and antrochoanal polyps. <i>Rhinology</i> , 2011, 49, 356-363.	0.7	15
60	Autoimmune Diseases and Oral Health: 30-Year Follow-Up of a Swedish Cohort. <i>Dentistry Journal</i> , 2018, 6, 1.	0.9	14
61	Factors Affecting the Control of Chronic Rhinosinusitis With Nasal Polyps: A Comparison in Patients With or Without NERD. <i>Allergy and Rhinology</i> , 2021, 12, 215265672110038.	0.7	14
62	Regional differences in endoscopic sinus surgery in Finland: a nationwide register-based study. <i>BMJ Open</i> , 2018, 8, e022173.	0.8	13
63	Rhinology Future Debates, an EUFOREA Report. <i>Rhinology</i> , 2017, 55, 298-304.	0.7	13
64	Changes in the societal burden caused by sleep apnoea in Finland from 1996 to 2018: A national registry study. <i>Lancet Regional Health - Europe</i> , 2022, 16, 100338.	3.0	13
65	Allergen interactions with epithelium. <i>Current Opinion in Allergy and Clinical Immunology</i> , 2011, 11, 29-32.	1.1	12
66	Relationships of Indoleamine 2,3-Dioxygenase Activity and Cofactors with Asthma and Nasal Polyps. <i>American Journal of Rhinology and Allergy</i> , 2014, 28, e5-e10.	1.0	12
67	The expression and prognostic relevance of indoleamine 2,3-dioxygenase in tongue squamous cell carcinoma. <i>Acta Oto-Laryngologica</i> , 2016, 136, 729-735.	0.3	12
68	The Nose as a Route for Therapy: Part 1. Pharmacotherapy. <i>Frontiers in Allergy</i> , 2021, 2, 638136.	1.2	12
69	Risk factors for severe adult-onset asthma: a multi-factor approach. <i>BMC Pulmonary Medicine</i> , 2021, 21, 214.	0.8	12
70	EAACI position paper on the clinical use of the bronchial allergen challenge: Unmet needs and research priorities. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2022, 77, 1667-1684.	2.7	12
71	A network analysis of the single nucleotide polymorphisms in acute allergic diseases. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2010, 65, 40-47.	2.7	11
72	High relative density of lymphatic vessels predicts poor survival in tongue squamous cell carcinoma. <i>European Archives of Oto-Rhino-Laryngology</i> , 2016, 273, 4515-4524.	0.8	11

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73	Next-generation care pathways for allergic rhinitis and asthma multimorbidity: a model for multimorbid non-communicable diseases Meeting Report (Part 1). <i>Journal of Thoracic Disease</i> , 2019, 11, 3633-3642.	0.6	11
74	Birch pollen allergen immunotherapy reprograms nasal epithelial transcriptome and recovers microbial diversity. <i>Journal of Allergy and Clinical Immunology</i> , 2019, 143, 2293-2296.e11.	1.5	11
75	Assessment of the Control of Allergic Rhinitis and Asthma Test (CARAT) using MASK-air. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2022, 10, 343-345.e2.	2.0	11
76	Inter-observer agreement of paranasal sinus computed tomography scans. <i>Acta Oto-Laryngologica</i> , 2017, 137, 611-617.	0.3	10
77	Comparison of intra-operative characteristics and early post-operative outcomes between endoscopic sinus surgery and balloon sinuplasty. <i>Acta Oto-Laryngologica</i> , 2017, 137, 202-206.	0.3	10
78	Extracellular interleukin-17F has a protective effect in oral tongue squamous cell carcinoma. <i>Head and Neck</i> , 2018, 40, 2155-2165.	0.9	10
79	Monoclonal Antibodies and Airway Diseases. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9477.	1.8	10
80	Eosinophilia, asthma, NERD and the use of oral corticosteroids predict uncontrolled chronic rhinosinusitis with nasal polyps after surgery. <i>Asian Pacific Journal of Allergy and Immunology</i> , 2024, , .	0.2	10
81	Factors affecting upper airway control of NSAID-exacerbated respiratory disease: A real-world study of 167 patients. <i>Immunity, Inflammation and Disease</i> , 2021, 9, 80-89.	1.3	10
82	Immune checkpoints indoleamine 2,3-dioxygenase 1 and programmed death-ligand 1 in oral mucosal dysplasia. <i>Journal of Oral Pathology and Medicine</i> , 2018, 47, 773-780.	1.4	9
83	Allergen immunotherapy in MASK-air users in real-life: Results of a Bayesian mixed-effects model. <i>Clinical and Translational Allergy</i> , 2022, 12, e12128.	1.4	9
84	Indoleamine 2,3-dioxygenase expression in patients with allergic rhinitis: a case-control study. <i>Clinical and Translational Allergy</i> , 2011, 1, 17.	1.4	8
85	25 years of respiratory health in Finland. <i>Lancet Respiratory Medicine</i> , 2019, 7, e16.	5.2	8
86	Comparison of rhinitis treatments using MASK-air data and considering the minimal important difference. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2022, 77, 3002-3014.	2.7	8
87	The association and prognostic relevance of cancerous inhibitor of protein phosphatase 2A and inflammation in tongue squamous cell carcinoma. <i>Apmis</i> , 2015, 123, 1007-1015.	0.9	6
88	The expression of cancerous inhibitor protein phosphatase 2A in chronic rhinosinusitis with nasal polyps. <i>Acta Oto-Laryngologica</i> , 2016, 136, 1173-1179.	0.3	6
89	Translation, cross-cultural adaptation, and validation of the sino-nasal outcome test (snot)-22 for Finnish patients. <i>European Archives of Oto-Rhino-Laryngology</i> , 2021, 278, 405-410.	0.8	6
90	Farm Environment During Pregnancy and Childhood and Polysensitization at the Age of 31: Prospective Birth Cohort Study in Finland. <i>Journal of Investigational Allergology and Clinical Immunology</i> , 2021, 31, 44-51.	0.6	6

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91	Allergens are transported through the respiratory epithelium. <i>Expert Review of Clinical Immunology</i> , 2010, 6, 55-59.	1.3	5
92	Assessing Cut-off Points of Eosinophils, Nasal Polyp, and Lund-Mackay Scores to Predict Surgery in Nasal Polyposis: A Real-World Study. <i>Allergy and Rhinology</i> , 2020, 11, 215265672095659.	0.7	5
93	Tonsillar microbial diversity, abundance, and interrelations in atopic and non-atopic individuals. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2020, 75, 2133-2135.	2.7	5
94	Nasal saline irrigation: prescribing habits and attitudes of physicians and pharmacists. <i>Scandinavian Journal of Primary Health Care</i> , 2021, 39, 35-43.	0.6	5
95	Tobacco Products, Periodontal Health and Education Level: Cohort Study from Sweden. <i>Dentistry Journal</i> , 2020, 8, 90.	0.9	4
96	Using machine learning for the personalised prediction of revision endoscopic sinus surgery. <i>PLoS ONE</i> , 2022, 17, e0267146.	1.1	4
97	Indoleamine 2,3-dioxygenase expression is associated with chronic rhinosinusitis. <i>Current Opinion in Allergy and Clinical Immunology</i> , 2013, 13, 37-44.	1.1	3
98	Birth decade affects the sensitization pattern and asthma risk in Finnish adult population. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2017, 72, 1791-1795.	2.7	3
99	The Debate: Regular Versus As-Needed Use of Intranasal Corticosteroids for a Patient-Centered Approach. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2021, 9, 1374-1375.	2.0	3
100	Transcriptomic Profiling of Adult-Onset Asthma Related to Damp and Moldy Buildings and Idiopathic Environmental Intolerance. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10679.	1.8	3
101	The continuous laryngoscopy exercise test in severe or in difficult-to-treat asthma in adults: a systematic review. <i>Journal of Asthma</i> , 2023, 60, 1-10.	0.9	3
102	The expression and prognostic relevance of programmed cell death protein 1 in tongue squamous cell carcinoma. <i>Apmis</i> , 2020, 128, 626-636.	0.9	2
103	Omalizumab Improves Outcomes in Patients with Chronic Rhinosinusitis with Nasal Polyps Irrespective of Asthma Status. <i>Journal of Allergy and Clinical Immunology</i> , 2020, 145, AB149.	1.5	2
104	Lung function and side effects of Aspirin desensitization: a real world study. <i>European Clinical Respiratory Journal</i> , 2021, 8, 1869408.	0.7	2
105	Long-Term Follow-Up After Maxillary Sinus Balloon Sinuplasty and ESS. <i>Ear, Nose and Throat Journal</i> , 2021, , 014556132098603.	0.4	2
106	The effect of fascin 1 inhibition on head and neck squamous cell carcinoma cells. <i>European Journal of Oral Sciences</i> , 2021, , .	0.7	2
107	Diseases with oral manifestations among adult asthmatics in Finland: a population-based matched cohort study. <i>BMJ Open</i> , 2021, 11, e053133.	0.8	2
108	Omalizumab Improves Quality of Life in Patients with Chronic Rhinosinusitis with Nasal Polyps and Comorbid Asthma. <i>Journal of Allergy and Clinical Immunology</i> , 2020, 145, AB250.	1.5	1

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109	Evaluation Challenges in the Validation of B7-H3 as Oral Tongue Cancer Prognosticator. Head and Neck Pathology, 2021, 15, 469-478.	1.3	1
110	The expression and prognostic relevance of CDH3 in tongue squamous cell carcinoma. Apmis, 2021, 129, 717-728.	0.9	1
111	Association Between Endoscopic, Radiologic and Patient-reported Chronic Rhinosinusitis with Nasal Polyps. The Open Allergy Journal, 2019, 10, 1-8.	0.5	1
112	P158â€¦Increase of medication usage for asthma, COPD and rhinitis during three decades in finland. , 2019, , .		0
113	Digital Health Europe (DHE) Twinning on severe asthmaâ€”kick-off meeting report. Journal of Thoracic Disease, 2021, 13, 3215-3225.	0.6	0
114	Translational research for sinonasal disorders. Nihon Bika Gakkai Kaishi (Japanese Journal of) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542 T	0.8	0
115	Farm environment during infancy and incidence of allergic diseases between the age of 31 and 46 years â€” results from a prospective birth cohort study from Finland. , 2017, , .		0
116	Allergic multi-morbidity is associated with an increased risk of asthma in adults: a population-based case control study. , 2018, , .		0