Marjut Roponen

List of Publications by Year
in descending order

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86 papers	3,782 citations	109321 35 h-index	133252 59 g-index
86 all docs	86 docs citations	86 times ranked	4579 citing authors

#	Article	IF	Citations
1	Farm-like indoor microbiota in non-farm homes protects children from asthma development. Nature Medicine, 2019, 25, 1089-1095.	30.7	219
2	Maturation of the gut microbiome during the first year of life contributes to the protective farm effect on childhood asthma. Nature Medicine, 2020, 26, 1766-1775.	30.7	202
3	Phenotypes of Atopic Dermatitis Depending on the Timing of Onset and Progression in Childhood. JAMA Pediatrics, 2017, 171, 655.	6.2	197
4	Increased regulatory T-cell numbers are associated with farm milk exposure and lower atopic sensitization and asthma in childhood. Journal of Allergy and Clinical Immunology, 2014, 133, 551-559.e10.	2.9	176
5	Prenatal exposure to a farm environment modifies atopic sensitization at birth. Journal of Allergy and Clinical Immunology, 2008, 122, 407-412.e4.	2.9	165
6	Cord blood cytokines are modulated by maternal farming activities and consumption of farm dairy products during pregnancy: The PASTURE Study. Journal of Allergy and Clinical Immunology, 2010, 125, 108-115.e3.	2.9	157
7	Prenatal animal contact and gene expression of innate immunity receptors at birth are associated with atopic dermatitis. Journal of Allergy and Clinical Immunology, 2011, 127, 179-185.e1.	2.9	152
8	The Early Development of Wheeze. Environmental Determinants and Genetic Susceptibility at 17q21. American Journal of Respiratory and Critical Care Medicine, 2016, 193, 889-897.	5.6	130
9	Development of atopic dermatitis according to age of onset and association with early-life exposures. Journal of Allergy and Clinical Immunology, 2012, 130, 130-136.e5.	2.9	116
10	Confirmed Moisture Damage at Home, Respiratory Symptoms and Atopy in Early Life: A Birth-Cohort Study. Pediatrics, 2009, 124, e329-e338.	2.1	100
11	Prenatal and early-life exposures alter expression of innate immunity genes: The PASTURE cohort study. Journal of Allergy and Clinical Immunology, 2012, 130, 523-530.e9.	2.9	87
12	Cord blood allergen-specific IgE is associated with reduced IFN-Î³ production by cord blood cells: The Protection against Allergyâ€"Study in Rural Environments (PASTURE) study. Journal of Allergy and Clinical Immunology, 2008, 122, 711-716.	2.9	84
13	Nitric Oxide and Proinflammatory Cytokines in Nasal Lavage Fluid Associated with Symptoms and Exposure to Moldy Building Microbes. American Journal of Respiratory and Critical Care Medicine, 1999, 160, 1943-1946.	5.6	82
14	Toll-like receptor 7 function is reduced in adolescents with asthma. European Respiratory Journal, 2010, 35, 64-71.	6.7	82
15	Latent class analysis reveals clinically relevant atopy phenotypes in 2 birth cohorts. Journal of Allergy and Clinical Immunology, 2017, 139, 1935-1945.e12.	2.9	76
16	High level of fecal calprotectin at age 2Âmonths as a marker of intestinal inflammation predicts atopic dermatitis and asthma by age 6. Clinical and Experimental Allergy, 2015, 45, 928-939.	2.9	69
17	Is smaller worse? New insights about associations of PM1 and respiratory health in children and adolescents. Environment International, 2018, 120, 516-524.	10.0	68
18	Association between antibiotic treatment during pregnancy and infancy and the development of allergic diseases. Pediatric Allergy and Immunology, 2019, 30, 423-433.	2.6	68

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19	Allergen-enhanced thrombomodulin (blood dendritic cell antigen 3, CD141) expression on dendritic cells is associated with a TH2-skewed immune response. Journal of Allergy and Clinical Immunology, 2009, 123, 209-216.e4.	2.9	65
20	Soluble immunoglobulin <scp>A</scp> in breast milk is inversely associated with atopic dermatitis at early age: the <scp>PASTURE</scp> cohort study. Clinical and Experimental Allergy, 2014, 44, 102-112.	2.9	64
21	Exposure to microbial agents in house dust and wheezing, atopic dermatitis and atopic sensitization in early childhood: a birth cohort study in rural areas. Clinical and Experimental Allergy, 2012, 42, 1246-1256.	2.9	58
22	Associations of Early Life Exposures and Environmental Factors With Asthma Among Children in Rural and Urban Areas of Guangdong, China. Chest, 2016, 149, 1030-1041.	0.8	55
23	Maternal vitamin D intake during pregnancy increases gene expression of ILT3 and ILT4 in cord blood. Clinical and Experimental Allergy, 2010, 40, 786-794.	2.9	53
24	Inflammatory Responses in Mice after Intratracheal Instillation of Spores of Streptomyces californicus Isolated from Indoor Air of a Moldy Building. Toxicology and Applied Pharmacology, 2001, 171, 61-69.	2.8	51
25	Genotoxicity of gliotoxin, a secondary metabolite of Aspergillus fumigatus, in a battery of short-term test systems. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2002, 520, 161-170.	1.7	49
26	Atopic sensitization in the first year of life. Journal of Allergy and Clinical Immunology, 2013, 131, 781-788.e9.	2.9	49
27	Dust sampling methods for endotoxin - an essential, but underestimated issue. Indoor Air, 2006, 16, 20-27.	4.3	47
28	Changes in pro-inflammatory cytokines in association with exposure to moisture-damaged building microbes. European Respiratory Journal, 2001, 18, 951-958.	6.7	46
29	A switch in regulatory T cells through farm exposure during immune maturation in childhood. Allergy: European Journal of Allergy and Clinical Immunology, 2017, 72, 604-615.	5.7	46
30	Exposure to nonmicrobial N-glycolylneuraminic acid protects farmers' children against airway inflammation and colitis. Journal of Allergy and Clinical Immunology, 2018, 141, 382-390.e7.	2.9	44
31	Greenness around schools associated with lower risk of hypertension among children: Findings from the Seven Northeastern Cities Study in China. Environmental Pollution, 2020, 256, 113422.	7.5	42
32	TNF-Î±â€“induced protein 3 is a key player in childhood asthma development and environment-mediated protection. Journal of Allergy and Clinical Immunology, 2019, 144, 1684-1696.e12.	2.9	40
33	Change in IFN-Î³â€“producing capacity in early life and exposure to environmental microbes. Journal of Allergy and Clinical Immunology, 2005, 116, 1048-1052.	2.9	39
34	Ambient Airborne Particulates of Diameter â‰¤1 Î¼m, a Leading Contributor to the Association Between Ambient Airborne Particulates of Diameter â‰¤2.5 Î¼m and Childrenâ€™s Blood Pressure. Hypertension, 2020, 75, 347-355.	2.7	39
35	Neonatal innate cytokine responses to BCG controlling T-cell development vary between populations. Journal of Allergy and Clinical Immunology, 2009, 124, 544-550.e2.	2.9	37
36	Greenness surrounding schools is associated with lower risk of asthma in schoolchildren. Environment International, 2020, 143, 105967.	10.0	36

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37	<scp>IL</scp>â€33 polymorphisms are associated with increased risk of hay fever and reduced regulatory T cells in a birth cohort. Pediatric Allergy and Immunology, 2016, 27, 687-695.	2.6	31
38	FUNGAL SPORES AS SUCH DO NOT CAUSE NASAL INFLAMMATION IN MOLD EXPOSURE. Inhalation Toxicology, 2002, 14, 541-549.	1.6	28
39	Prenatal exposure to perfluoroalkyl substances is associated with lower hand, foot and mouth disease viruses antibody response in infancy: Findings from the Guangzhou Birth Cohort Study. Science of the Total Environment, 2019, 663, 60-67.	8.0	28
40	Mycobacterium terrae isolated from indoor air of a moisture-damaged building induces sustained biphasic inflammatory response in mouse lungs.. Environmental Health Perspectives, 2002, 110, 1119-1125.	6.0	27
41	Exposure to a farm environment is associated with <scp>T</scp> helper 1 and regulatory cytokines at age 4.5Âyears. Clinical and Experimental Allergy, 2016, 46, 71-77.	2.9	27
42	Maturation of cytokineâ€producing capacity from birth to 1â€ƒyr of age. Pediatric Allergy and Immunology, 2009, 20, 714-725.	2.6	26
43	Interaction effects of polyfluoroalkyl substances and sex steroid hormones on asthma among children. Scientific Reports, 2017, 7, 899.	3.3	25
44	Serum vitamin E concentrations at 1Âyear and risk of atopy, atopic dermatitis, wheezing, and asthma in childhood: the <scp>PASTURE</scp> study. Allergy: European Journal of Allergy and Clinical Immunology, 2014, 69, 87-94.	5.7	23
45	Farm exposures are associated with lower percentage of circulating myeloid dendritic cell subtype 2 at age 6. Allergy: European Journal of Allergy and Clinical Immunology, 2015, 70, 1278-1287.	5.7	23
46	Determinants, reproducibility, and seasonal variation of ergosterol levels in house dust. Indoor Air, 2014, 24, 248-259.	4.3	22
47	Integrating farm and air pollution studies in search for immunoregulatory mechanisms operating in protective and highâ€risk environments. Pediatric Allergy and Immunology, 2018, 29, 815-822.	2.6	21
48	Inflammatory mediators in nasal lavage, induced sputum and serum of employees with rheumatic and respiratory disorders. European Respiratory Journal, 2001, 18, 542-548.	6.7	20
49	Moisture damage in home associates with systemic inflammation in children. Indoor Air, 2016, 26, 439-447.	4.3	20
50	Benefits of influenza vaccination on the associations between ambient air pollution and allergic respiratory diseases in children and adolescents: New insights from the Seven Northeastern Cities study in China. Environmental Pollution, 2020, 256, 113434.	7.5	20
51	Nasal Lavage Method in the Monitoring of Upper Airway Inflammation: Seasonal and Individual Variation. Inhalation Toxicology, 2003, 15, 649-661.	1.6	19
52	Immunoglobulin <scp>A</scp> and immunoglobulin <scp>G</scp> antibodies against Î²â€lactoglobulin and gliadin at age 1 associate with immunoglobulin <scp>E</scp> sensitization at age 6. Pediatric Allergy and Immunology, 2014, 25, 329-337.	2.6	17
53	Circulating Dendritic Cells, Farm Exposure and Asthma at Early Age. Scandinavian Journal of Immunology, 2016, 83, 18-25.	2.7	17
54	Specific IgE to allergens in cord blood is associated with maternal immunity to Toxoplasma gondii and rubella virus. Allergy: European Journal of Allergy and Clinical Immunology, 2008, 63, 1505-1511.	5.7	16

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55	Analytical performance of a multiplexed, bead-based cytokine detection system in small volume samples. Clinical Chemistry and Laboratory Medicine, 2011, 49, 1691-3.	2.3	16
56	Inflammatory response and IgE sensitization at early age. Pediatric Allergy and Immunology, 2013, 24, 395-401.	2.6	16
57	A panel study of airborne particulate matter concentration and impaired cardiopulmonary function in young adults by two different exposure measurement. Atmospheric Environment, 2018, 180, 103-109.	4.1	16
58	The effects of Aspergillus fumigatus challenge on exhaled and nasal NO levels. European Respiratory Journal, 2005, 26, 887-893.	6.7	15
59	Maternal and neonatal IL-4 and IFN-gamma production at delivery and 3 months after birth. Journal of Reproductive Immunology, 2003, 60, 25-33.	1.9	14
60	Effect of moisture-damage intervention on the immunotoxic potential and microbial content of airborne particles and on occupants' upper airway inflammatory responses. Indoor Air, 2013, 23, 295-302.	4.3	14
61	Inflammatory and Cytotoxic Potential of the Airborne Particle Material Assessed by Nasal Lavage and Cell Exposure Methods. Inhalation Toxicology, 2003, 15, 23-38.	1.6	13
62	High Indoor Microbial Levels Are Associated with Reduced Th1 Cytokine Secretion Capacity in Infancy. International Archives of Allergy and Immunology, 2012, 159, 194-203.	2.1	13
63	Few associations between highâ€sensitivity Câ€reactive protein and environmental factors in 4.5â€yearâ€old children. Pediatric Allergy and Immunology, 2012, 23, 522-528.	2.6	13
64	Immune Responsiveness to LPS Determines Risk of Childhood Wheeze and Asthma in 17q21 Risk Allele Carriers. American Journal of Respiratory and Critical Care Medicine, 2022, 205, 641-650.	5.6	13
65	Exposure to environmental bacteria may have differing effects on tumour necrosis factorâ€Î± and interleukinâ€6â€producing capacity in infancy. Clinical and Experimental Allergy, 2008, 38, 1483-1492.	2.9	12
66	Production of interleukinâ€5, â€10 and interferonâ€Î³ in cord blood is strongly associated with the season of birth. Clinical and Experimental Allergy, 2010, 40, 1658-1668.	2.9	12
67	Mitogenâ€activated protein kinase signaling in childhood asthma development and environmentâ€mediated protection. Pediatric Allergy and Immunology, 2022, 33, e13657.	2.6	12
68	Aspergillus fumigatusChallenge Increases Cytokine Levels in Nasal Lavage Fluid. Inhalation Toxicology, 2006, 18, 1033-1039.	1.6	11
69	Exposure to dogs is associated with a decreased tumour necrosis factorâ€Î±â€producing capacity in early life. Clinical and Experimental Allergy, 2010, 40, 1498-1506.	2.9	11
70	Poultry exposure and environmental protection against asthma in rural children. Allergy: European Journal of Allergy and Clinical Immunology, 2022, 77, 2949-2960.	5.7	9
71	Determinants, reproducibility, and seasonal variation of bacterial cell wall components and viable counts in house dust. Indoor Air, 2015, 25, 260-272.	4.3	8
72	COMPARISON OF INFLAMMATORY ELEMENTS IN NASAL LAVAGE AND INDUCED SPUTUM FOLLOWING OCCUPATIONAL EXPOSURE TO MOLDY-BUILDING MICROBES. Inhalation Toxicology, 2002, 14, 653-662.	1.6	7

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73	NITRIC OXIDE ALONE IS AN INSUFFICIENT BIOMARKER OF EXPOSURE TO MICROBES IN A MOISTURE-DAMAGED BUILDING. Inhalation Toxicology, 2002, 14, 1279-1290.	1.6	7
74	Parents know it best: Prediction of asthma and lung function by parental perception of early wheezing episodes. Pediatric Allergy and Immunology, 2019, 30, 795-802.	2.6	7
75	Early age exposure to moisture and mould is related to FeNO at the age of 6Âyears. Pediatric Allergy and Immunology, 2021, 32, 1226-1237.	2.6	7
76	The lack of natural processes of delivery and neonatal intensive care treatment lead to impaired cytokine responses later in life. American Journal of Reproductive Immunology, 2017, 77, e12621.	1.2	6
77	The effect of assay type and sample matrix on detected cytokine concentrations in human blood serum and nasal lavage fluid. Journal of Pharmaceutical and Biomedical Analysis, 2014, 96, 151-155.	2.8	5
78	Enhanced T helper 1 and 2 cytokine responses at birth associate with lower risk of middle ear infections in infancy. Pediatric Allergy and Immunology, 2017, 28, 53-59.	2.6	5
79	Spontaneous and stimulated interleukin-6 and tumor necrosis factor-alpha production at delivery and three months after birth. European Cytokine Network, 2004, 15, 67-72.	2.0	5
80	Stimulated cytokine production correlates in umbilical arterial and venous blood at delivery. European Cytokine Network, 2004, 15, 347-52.	2.0	4
81	Asthmatic farm children show increased CD3+CD8low T-cells compared to non-asthmatic farm children. Clinical Immunology, 2017, 183, 285-292.	3.2	3
82	Toxicological and microbiological characterization of cow stable dust. Toxicology in Vitro, 2021, 75, 105202.	2.4	3
83	Nasal Lavage Method in the Monitoring of Upper Airway Inflammation: Seasonal and Individual Variation. Inhalation Toxicology, 2003, 15, 649-661.	1.6	3
84	Chlamydophila pneumoniae antibodies in office workers with and without inflammatory rheumatic diseases in a moisture-damaged building. European Journal of Clinical Microbiology and Infectious Diseases, 2005, 24, 236-237.	2.9	1
85	Determinants of stimulated peripheral blood cytokine production among farming women. International Journal of Hygiene and Environmental Health, 2011, 214, 205-209.	4.3	1
86	Associations of Early Life Exposures and Environmental Factors with Asthma Among Children in Rural and Urban Areas of Guangdong, China. Journal of Allergy and Clinical Immunology, 2016, 137, AB389.	2.9	0