

# Roger Lauener

## List of Publications by Year in descending order

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122  
papers

11,263  
citations

31976

53  
h-index

29157

104  
g-index

130  
all docs

130  
docs citations

130  
times ranked

10219  
citing authors

#	ARTICLE	IF	CITATIONS
1	Environmental Exposure to Endotoxin and Its Relation to Asthma in School-Age Children. <i>New England Journal of Medicine</i> , 2002, 347, 869-877.	27.0	1,648
2	Cellular and molecular immunologic mechanisms in patients with atopic dermatitis. <i>Journal of Allergy and Clinical Immunology</i> , 2016, 138, 336-349.	2.9	465
3	Prenatal farm exposure is related to the expression of receptors of the innate immunity and to atopic sensitization in school-age children. <i>Journal of Allergy and Clinical Immunology</i> , 2006, 117, 817-823.	2.9	413
4	The many faces of the hygiene hypothesis. <i>Journal of Allergy and Clinical Immunology</i> , 2006, 117, 969-977.	2.9	348
5	High levels of butyrate and propionate in early life are associated with protection against atopy. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2019, 74, 799-809.	5.7	327
6	Expression of CD14 and Toll-like receptor 2 in farmers' and nonfarmers' children. <i>Lancet, The</i> , 2002, 360, 465-466.	13.7	285
7	Regulatory T cells and immune regulation of allergic diseases: roles of IL-10 and TGF- $\beta$ 2. <i>Genes and Immunity</i> , 2014, 15, 511-520.	4.1	264
8	Expression and Regulation of Toll-Like Receptor 2 in Rheumatoid Arthritis Synovium. <i>American Journal of Pathology</i> , 2003, 162, 1221-1227.	3.8	260
9	Chemokine Secretion of Rheumatoid Arthritis Synovial Fibroblasts Stimulated by Toll-Like Receptor 2 Ligands. <i>Journal of Immunology</i> , 2004, 172, 1256-1265.	0.8	253
10	Not all farming environments protect against the development of asthma and wheeze in children. <i>Journal of Allergy and Clinical Immunology</i> , 2007, 119, 1140-1147.	2.9	252
11	The protective effect of farm milk consumption on childhood asthma and atopy: The GABRIELA study. <i>Journal of Allergy and Clinical Immunology</i> , 2011, 128, 766-773.e4.	2.9	244
12	Increased food diversity in the first year of life is inversely associated with allergic diseases. <i>Journal of Allergy and Clinical Immunology</i> , 2014, 133, 1056-1064.e7.	2.9	237
13	Clinical phenotypes and endophenotypes of atopic dermatitis: Where are we, and where should we go?. <i>Journal of Allergy and Clinical Immunology</i> , 2017, 139, S58-S64.	2.9	229
14	Inverse association of farm milk consumption with asthma and allergy in rural and suburban populations across Europe. <i>Clinical and Experimental Allergy</i> , 2007, 37, 661-670.	2.9	223
15	Farm-like indoor microbiota in non-farm homes protects children from asthma development. <i>Nature Medicine</i> , 2019, 25, 1089-1095.	30.7	219
16	Maturation of the gut microbiome during the first year of life contributes to the protective farm effect on childhood asthma. <i>Nature Medicine</i> , 2020, 26, 1766-1775.	30.7	202
17	Bacterial peptidoglycans but not CpG oligodeoxynucleotides activate synovial fibroblasts by toll-like receptor signaling. <i>Arthritis and Rheumatism</i> , 2003, 48, 642-650.	6.7	182
18	Allergic disease and sensitization in Steiner school children. <i>Journal of Allergy and Clinical Immunology</i> , 2006, 117, 59-66.	2.9	181

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19	Increased regulatory T-cell numbers are associated with farm milk exposure and lower atopic sensitization and asthma in childhood. <i>Journal of Allergy and Clinical Immunology</i> , 2014, 133, 551-559.e10.	2.9	176
20	Prenatal exposure to a farm environment modifies atopic sensitization at birth. <i>Journal of Allergy and Clinical Immunology</i> , 2008, 122, 407-412.e4.	2.9	165
21	Clinical and Epidemiologic Phenotypes of Childhood Asthma. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2014, 189, 129-138.	5.6	159
22	Cord blood cytokines are modulated by maternal farming activities and consumption of farm dairy products during pregnancy: The PASTURE Study. <i>Journal of Allergy and Clinical Immunology</i> , 2010, 125, 108-115.e3.	2.9	157
23	Human Toll-like receptor 2 mediates induction of the antimicrobial peptide human beta-defensin 2 in response to bacterial lipoprotein. <i>European Journal of Immunology</i> , 2001, 31, 3131-3137.	2.9	153
24	Prenatal animal contact and gene expression of innate immunity receptors at birth are associated with atopic dermatitis. <i>Journal of Allergy and Clinical Immunology</i> , 2011, 127, 179-185.e1.	2.9	152
25	Interleukin 4 down-regulates the expression of CD14 in normal human monocytes. <i>European Journal of Immunology</i> , 1990, 20, 2375-2381.	2.9	145
26	Farm exposure and time trends in early childhood may influence <sc>DNA</sc> methylation in genes related to asthma and allergy. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2013, 68, 355-364.	5.7	141
27	The Early Development of Wheeze. Environmental Determinants and Genetic Susceptibility at 17q21. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2016, 193, 889-897.	5.6	130
28	Research needs in allergy: an EAACI position paper, in collaboration with EFA. <i>Clinical and Translational Allergy</i> , 2012, 2, 21.	3.2	127
29	Development of atopic dermatitis according to age of onset and association with early-life exposures. <i>Journal of Allergy and Clinical Immunology</i> , 2012, 130, 130-136.e5.	2.9	116
30	Bacterial and fungal components in house dust of farm children, Rudolf Steiner school children and reference children - the PARSIFAL Study. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2005, 60, 611-618.	5.7	111
31	Haplotypes of G Protein-coupled Receptor 154 Are Associated with Childhood Allergy and Asthma. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2005, 171, 1089-1095.	5.6	111
32	Mechanisms of peripheral tolerance to allergens. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2013, 68, 161-170.	5.7	111
33	Inhibition of T <sub>H</sub> 2-type responses, IgE production and eosinophilia by synthetic lipopeptides. <i>European Journal of Immunology</i> , 2003, 33, 2717-2726.	2.9	106
34	Microbiota and dietary interactions - an update to the hygiene hypothesis?. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2012, 67, 451-461.	5.7	105
35	Elevated nitrite in breath condensates of children with respiratory disease. <i>European Respiratory Journal</i> , 2002, 19, 487-491.	6.7	104
36	Histamine receptor 2 modifies dendritic cell responses to microbial ligands. <i>Journal of Allergy and Clinical Immunology</i> , 2013, 132, 194-204.e12.	2.9	102

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37	Prenatal initiation of endotoxin airway exposure prevents subsequent allergen-induced sensitization and airway inflammation in mice. <i>Journal of Allergy and Clinical Immunology</i> , 2006, 118, 666-673.	2.9	99
38	Consumption of unprocessed cow's milk protects infants from common respiratory infections. <i>Journal of Allergy and Clinical Immunology</i> , 2015, 135, 56-62.e2.	2.9	96
39	A polymorphism in CD14 modifies the effect of farm milk consumption on allergic diseases and CD14 gene expression. <i>Journal of Allergy and Clinical Immunology</i> , 2007, 120, 1308-1315.	2.9	93
40	Ï%-3 fatty acids contribute to the asthma-protective effect of unprocessed cow's milk. <i>Journal of Allergy and Clinical Immunology</i> , 2016, 137, 1699-1706.e13.	2.9	90
41	Prenatal and early-life exposures alter expression of innate immunity genes: The PASTURE cohort study. <i>Journal of Allergy and Clinical Immunology</i> , 2012, 130, 523-530.e9.	2.9	87
42	Cord blood allergen-specific IgE is associated with reduced IFN-Î³ production by cord blood cells: The Protection against Allergy Study in Rural Environments (PASTURE) study. <i>Journal of Allergy and Clinical Immunology</i> , 2008, 122, 711-716.	2.9	84
43	CRIM-negative infantile Pompe disease: 42-month treatment outcome. <i>Journal of Inherited Metabolic Disease</i> , 2010, 33, 751-757.	3.6	79
44	Immunomodulation by <i>Bifidobacterium infantis</i> 35624 in the Murine Lamina Propria Requires Retinoic Acid-Dependent and Independent Mechanisms. <i>PLoS ONE</i> , 2013, 8, e62617.	2.5	76
45	Latent class analysis reveals clinically relevant atopy phenotypes in 2 birth cohorts. <i>Journal of Allergy and Clinical Immunology</i> , 2017, 139, 1935-1945.e12.	2.9	76
46	T cell activation and cytokine release in streptococcal toxic shock-like syndrome. <i>Journal of Pediatrics</i> , 1993, 122, 727-729.	1.8	72
47	High level of fecal calprotectin at age 2 months as a marker of intestinal inflammation predicts atopic dermatitis and asthma by age 6. <i>Clinical and Experimental Allergy</i> , 2015, 45, 928-939.	2.9	69
48	Association between antibiotic treatment during pregnancy and infancy and the development of allergic diseases. <i>Pediatric Allergy and Immunology</i> , 2019, 30, 423-433.	2.6	68
49	MHC Class II Molecules Enhance Toll-Like Receptor Mediated Innate Immune Responses. <i>PLoS ONE</i> , 2010, 5, e8808.	2.5	65
50	Soluble immunoglobulin A in breast milk is inversely associated with atopic dermatitis at early age: the PASTURE cohort study. <i>Clinical and Experimental Allergy</i> , 2014, 44, 102-112.	2.9	64
51	Histamine receptor 2 is a key influence in immune responses to intestinal histamine-secreting microbes. <i>Journal of Allergy and Clinical Immunology</i> , 2014, 134, 744-746.e3.	2.9	62
52	The role of environmental factors in allergy: A critical reappraisal. <i>Experimental Dermatology</i> , 2018, 27, 1193-1200.	2.9	60
53	Exposure to microbial agents in house dust and wheezing, atopic dermatitis and atopic sensitization in early childhood: a birth cohort study in rural areas. <i>Clinical and Experimental Allergy</i> , 2012, 42, 1246-1256.	2.9	58
54	Expression of MHC class II molecules contributes to lipopolysaccharide responsiveness. <i>European Journal of Immunology</i> , 2000, 30, 3140-3146.	2.9	57

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55	Maternal vitamin D intake during pregnancy increases gene expression of ILT3 and ILT4 in cord blood. <i>Clinical and Experimental Allergy</i> , 2010, 40, 786-794.	2.9	53
56	Atopic sensitization in the first year of life. <i>Journal of Allergy and Clinical Immunology</i> , 2013, 131, 781-788.e9.	2.9	49
57	Global Allergy Forum and 3rd Davos Declaration 2015. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2016, 71, 588-592.	5.7	47
58	Shwachman-Diamond syndrome: early bone marrow transplantation in a high risk patient and new clues to pathogenesis. <i>European Journal of Pediatrics</i> , 1999, 158, 995-1000.	2.7	46
59	A switch in regulatory T cells through farm exposure during immune maturation in childhood. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2017, 72, 604-615.	5.7	46
60	Exposure to nonmicrobial N-glycolylneuraminic acid protects farmers' children against airway inflammation and colitis. <i>Journal of Allergy and Clinical Immunology</i> , 2018, 141, 382-390.e7.	2.9	44
61	Oral immunotherapy with low allergenic hydrolysed egg in egg allergic children. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2016, 71, 1575-1584.	5.7	40
62	TNF- $\alpha$ -induced protein 3 is a key player in childhood asthma development and environment-mediated protection. <i>Journal of Allergy and Clinical Immunology</i> , 2019, 144, 1684-1696.e12.	2.9	40
63	Expression of Genes Related to Anti-Inflammatory Pathways Are Modified Among Farmers' Children. <i>PLoS ONE</i> , 2014, 9, e91097.	2.5	40
64	Chronic enteroviral meningo-encephalitis in X-linked agammaglobulinaemia: favourable response to anti-enteroviral treatment. <i>European Journal of Pediatrics</i> , 1999, 158, 1010-1011.	2.7	39
65	Histamine receptor 2 modifies iNKT cell activity within the inflamed lung. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2017, 72, 1925-1935.	5.7	37
66	Farming and protective agents against allergy and asthma. <i>Clinical and Experimental Allergy</i> , 2003, 33, 409-411.	2.9	35
67	<i>IL33</i> polymorphisms are associated with increased risk of hay fever and reduced regulatory T cells in a birth cohort. <i>Pediatric Allergy and Immunology</i> , 2016, 27, 687-695.	2.6	31
68	The protective effect of cheese consumption at 18 months on allergic diseases in the first 6 years. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2019, 74, 788-798.	5.7	31
69	The protective effect of farm animal exposure on childhood allergy is modified by NPSR1 polymorphisms. <i>Journal of Medical Genetics</i> , 2008, 46, 159-167.	3.2	30
70	An IgE-associated polymorphism in STAT6 alters NF- $\kappa$ B binding, STAT6 promoter activity, and mRNA expression. <i>Journal of Allergy and Clinical Immunology</i> , 2009, 124, 583-589.e6.	2.9	30
71	Biological and genetic interaction between Tenascin C and Neuropeptide S receptor 1 in allergic diseases. <i>Human Molecular Genetics</i> , 2008, 17, 1673-1682.	2.9	28
72	Skin prick tests and specific IgE in 10-year-old children: Agreement and association with allergic diseases. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2017, 72, 1365-1373.	5.7	28

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73	Why Old McDonald had a farm but no allergies: genes, environments, and the hygiene hypothesis. <i>Journal of Leukocyte Biology</i> , 2004, 75, 383-387.	3.3	27
74	Pattern recognition receptors and their involvement in the pathogenesis of arthritis. <i>Current Opinion in Rheumatology</i> , 2004, 16, 411-418.	4.3	26
75	Environmental determinants of atopic eczema phenotypes in relation to asthma and atopic sensitization. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2007, 62, 1387-1393.	5.7	25
76	Lung function improvement and airways inflammation reduction in asthmatic children after a rehabilitation program at moderate altitude. <i>Pediatric Allergy and Immunology</i> , 2017, 28, 768-775.	2.6	24
77	Serum vitamin E concentrations at 1Âyear and risk of atopy, atopic dermatitis, wheezing, and asthma in childhood: the <scp>PASTURE</scp> study. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2014, 69, 87-94.	5.7	23
78	Immunodeficiency associated with Dandy-Walker-like malformation, congenital heart defect, and craniofacial abnormalities. <i>American Journal of Medical Genetics Part A</i> , 1989, 33, 280-281.	2.4	22
79	The dual role of LBP and CD14 in response to Gram-negative bacteria or Gram-negative compounds. <i>Journal of Endotoxin Research</i> , 2003, 9, 381-384.	2.5	21
80	Feasibility of nitrogen multiple-breath washout in inexperienced children younger than 7 years. <i>Pediatric Pulmonology</i> , 2016, 51, 1183-1190.	2.0	21
81	New visions for basic research and primary prevention of pediatric allergy: An iPAC summary and future trends. <i>Pediatric Allergy and Immunology</i> , 2008, 19, 4-16.	2.6	20
82	Disseminated <i>Fusarium oxysporum</i> Infection in Hemophagocytic Lymphohistiocytosis. <i>Infection</i> , 2004, 32, 364-366.	4.7	19
83	Inpatient paediatric rehabilitation in chronic respiratory disorders. <i>Paediatric Respiratory Reviews</i> , 2012, 13, 123-129.	1.8	17
84	Infliximab in Pediatric Rheumatology Patients: A Retrospective Analysis of Infusion Reactions and Severe Adverse Events During 2246 Infusions over 12 Years. <i>Journal of Rheumatology</i> , 2014, 41, 1409-1415.	2.0	17
85	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. <i>Pediatric Allergy and Immunology</i> , 2014, 25, 329-337.	2.6	17
86	Protective effects of breastfeeding on respiratory symptoms in infants with 17q21 asthma risk variants. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2018, 73, 2388-2392.	5.7	17
87	<i>Bifidobacterium</i> Species Colonization in Infancy: A Global Cross-Sectional Comparison by Population History of Breastfeeding. <i>Nutrients</i> , 2022, 14, 1423.	4.1	17
88	Specific IgE to allergens in cord blood is associated with maternal immunity to <i>Toxoplasma gondii</i> and rubella virus. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2008, 63, 1505-1511.	5.7	16
89	Analytical performance of a multiplexed, bead-based cytokine detection system in small volume samples. <i>Clinical Chemistry and Laboratory Medicine</i> , 2011, 49, 1691-3.	2.3	16
90	Inflammatory response and IgE sensitization at early age. <i>Pediatric Allergy and Immunology</i> , 2013, 24, 395-401.	2.6	16

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91	The ImmunoCAP <sup>®</sup> Rapid Wheeze/Rhinitis Child test is useful in the initial allergy diagnosis of children with respiratory symptoms. <i>Pediatric Allergy and Immunology</i> , 2009, 20, 772-779.	2.6	15
92	A comprehensive analysis of the COL29A1 gene does not support a role in eczema. <i>Journal of Allergy and Clinical Immunology</i> , 2011, 127, 1187-1194.e7.	2.9	15
93	Functional phenotypes determined by fluctuation-based clustering of lung function measurements in healthy and asthmatic cohort participants. <i>Thorax</i> , 2018, 73, 107-115.	5.6	15
94	Deodorant Spray: A Newly Identified Cause of Cold Burn. <i>Pediatrics</i> , 2010, 126, e716-e718.	2.1	14
95	Few associations between high-sensitivity C-reactive protein and environmental factors in 4.5-year-old children. <i>Pediatric Allergy and Immunology</i> , 2012, 23, 522-528.	2.6	13
96	Inverse associations between food diversity in the second year of life and allergic diseases. <i>Annals of Allergy, Asthma and Immunology</i> , 2022, 128, 39-45.	1.0	13
97	Immune Responsiveness to LPS Determines Risk of Childhood Wheeze and Asthma in 17q21 Risk Allele Carriers. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2022, 205, 641-650.	5.6	13
98	Prevalence of Anti-infliximab Antibodies and Their Associated Co-factors in Children with Refractory Arthritis and/or Uveitis: A Retrospective Longitudinal Cohort Study. <i>Journal of Rheumatology</i> , 2017, 44, 334-341.	2.0	11
99	Exposure of Children to Rural Lifestyle Factors Associated With Protection Against Allergies Induces an Anti-Neu5Gc Antibody Response. <i>Frontiers in Immunology</i> , 2019, 10, 1628.	4.8	11
100	Endotoxin and Asthma. <i>New England Journal of Medicine</i> , 2003, 348, 171-174.	27.0	8
101	Gene expression measurements in the context of epidemiological studies. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2008, 63, 1633-1636.	5.7	8
102	Parents know it best: Prediction of asthma and lung function by parental perception of early wheezing episodes. <i>Pediatric Allergy and Immunology</i> , 2019, 30, 795-802.	2.6	7
103	Excessive Unbalanced Meat Consumption in the First Year of Life Increases Asthma Risk in the PASTURE and LUKAS2 Birth Cohorts. <i>Frontiers in Immunology</i> , 2021, 12, 651709.	4.8	7
104	Health-related quality of life does not explain the protective effect of farming on allergies. <i>Pediatric Allergy and Immunology</i> , 2012, 23, 519-521.	2.6	6
105	Pimecrolimus, a topical calcineurin inhibitor used in the treatment of atopic eczema. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2013, 9, 1507-1516.	3.3	6
106	Enhanced T helper 1 and 2 cytokine responses at birth associate with lower risk of middle ear infections in infancy. <i>Pediatric Allergy and Immunology</i> , 2017, 28, 53-59.	2.6	5
107	Validation of a questionnaire to assess dietary habits among 5-13-year old school children of farmers and anthroposophic families. <i>Journal of Nutritional and Environmental Medicine</i> , 2008, 17, 157-168.	0.1	4
108	The Hygiene Hypothesis. , 2016, , 77-96.		4

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109	Primary prevention of allergies. Revue Francaise D'allergologie Et D'immunologie Clinique, 2003, 43, 423-426.	0.1	3
110	A boy with a one-sided red rash. European Journal of Pediatrics, 2011, 170, 539-540.	2.7	3
111	Asthmatic farm children show increased CD3+CD8low T-cells compared to non-asthmatic farm children. Clinical Immunology, 2017, 183, 285-292.	3.2	3
112	Possible inâ€cabin exposure to cat allergen: a 2010 airline survey on live animal transport and a review of literature. Allergy: European Journal of Allergy and Clinical Immunology, 2010, 65, 1496-1498.	5.7	2
113	Chronic Relapsing Urticaria Confined to Injection Sites of Upper Arms. Pediatric Dermatology, 2012, 29, 663-665.	0.9	2
114	LATE-BREAKING ABSTRACT: Chr17q21 modifies environmental effects on respiratory infections in infancy and effects on asthma. , 2015, , .		1
115	La prÃ©vention primaire des allergies. Revue Francaise D'allergologie Et D'immunologie Clinique, 2003, 43, 423-426.	0.1	0
116	Central flaring of eyebrow. American Journal of Medical Genetics, Part A, 2010, 152A, 1600-1600.	1.2	0
117	A yellowâ€brown plaque on the scalp. Journal of Paediatrics and Child Health, 2011, 47, 571-571.	0.8	0
118	Acquired nonscarring diffuse hair loss in a 3-year-old girl. European Journal of Pediatrics, 2011, 170, 127-128.	2.7	0
119	P01 â€Sensitisation pattern to inhalant allergens in Armenian children. Clinical and Translational Allergy, 2014, 4, P56.	3.2	0
120	Hypersensitivity reactions to carboplatin in children with low-grade gliomas. Journal of Pediatric Neurology, 2015, 02, 153-157.	0.2	0
121	Continuing medical education activities for improved management of allergy patients. Allergy: European Journal of Allergy and Clinical Immunology, 2018, 73, 1351-1353.	5.7	0
122	RehabilitationsmaÃŸnahme bei Mukoviszidose. Atemwegs- Und Lungenkrankheiten, 2012, 38, 306-310.	0.0	0