

# Jan Ceuppens

## List of Publications by Citations

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109  
papers

5,154  
citations

39  
h-index

69  
g-index

109  
ext. papers

5,704  
ext. citations

5.7  
avg, IF

4.95  
L-index

#	Paper	IF	Citations
109	IL-17 mRNA in sputum of asthmatic patients: linking T cell driven inflammation and granulocytic influx?. <i>Respiratory Research</i> , <b>2006</b> , 7, 135	7.3	414
108	Interleukin-17 orchestrates the granulocyte influx into airways after allergen inhalation in a mouse model of allergic asthma. <i>American Journal of Respiratory Cell and Molecular Biology</i> , <b>2003</b> , 28, 42-50	5.7	325
107	Sub-lingual immunotherapy: World Allergy Organization Position Paper 2009. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , <b>2009</b> , 64 Suppl 91, 1-59	9.3	297
106	CD80, CD86 and CD40 provide accessory signals in a multiple-step T-cell activation model. <i>Immunological Reviews</i> , <b>1996</b> , 153, 47-83	11.3	183
105	Impaired barrier function in patients with house dust mite-induced allergic rhinitis is accompanied by decreased occludin and zonula occludens-1 expression. <i>Journal of Allergy and Clinical Immunology</i> , <b>2016</b> , 137, 1043-1053.e5	11.5	178
104	IL-15 is highly expressed in inflammatory bowel disease and regulates local T cell-dependent cytokine production. <i>Journal of Immunology</i> , <b>2000</b> , 164, 3608-15	5.3	150
103	Evaluation of airway inflammation by quantitative Th1/Th2 cytokine mRNA measurement in sputum of asthma patients. <i>Thorax</i> , <b>2006</b> , 61, 202-8	7.3	141
102	Haptoglobin directly affects T cells and suppresses T helper cell type 2 cytokine release. <i>Immunology</i> , <b>2003</b> , 108, 144-51	7.8	139
101	Human T cell activation with phytohemagglutinin. The function of IL-6 as an accessory signal. <i>Journal of Immunology</i> , <b>1988</b> , 141, 3868-74	5.3	121
100	Immune dysfunction in patients with functional gastrointestinal disorders. <i>Neurogastroenterology and Motility</i> , <b>2009</b> , 21, 389-98	4	116
99	Prevention of experimental colitis in SCID mice reconstituted with CD45RB <sup>high</sup> CD4 <sup>+</sup> T cells by blocking the CD40-CD154 interactions. <i>Journal of Immunology</i> , <b>2000</b> , 164, 6005-14	5.3	111
98	Haptoglobin dampens endotoxin-induced inflammatory effects both in vitro and in vivo. <i>Immunology</i> , <b>2005</b> , 114, 263-71	7.8	110
97	Accessory signaling by CD40 for T cell activation: induction of Th1 and Th2 cytokines and synergy with interleukin-12 for interferon-gamma production. <i>European Journal of Immunology</i> , <b>1996</b> , 26, 1621-7	6.1	110
96	Identification of haptoglobin as an alternative ligand for CD11b/CD18. <i>Journal of Immunology</i> , <b>1996</b> , 156, 2542-52	5.3	87
95	Reciprocal changes of Foxp3 expression in blood and intestinal mucosa in IBD patients responding to infliximab. <i>Inflammatory Bowel Diseases</i> , <b>2010</b> , 16, 1299-310	4.5	81
94	DC vaccination with anti-CD25 treatment leads to long-term immunity against experimental glioma. <i>Neuro-Oncology</i> , <b>2009</b> , 11, 529-42	1	79
93	Sputum IL-5, IL-17A, IL-25-high pattern is associated with uncontrolled asthma and worse lung function. <i>Clinical and Translational Allergy</i> , <b>2013</b> , 3, O3	5.2	78

92	Blockade of CTLA-4 enhances allergic sensitization and eosinophilic airway inflammation in genetically predisposed mice. <i>European Journal of Immunology</i> , <b>2002</b> , 32, 585-94	6.1	76
91	Histamine and T helper cytokine-driven epithelial barrier dysfunction in allergic rhinitis. <i>Journal of Allergy and Clinical Immunology</i> , <b>2018</b> , 141, 951-963.e8	11.5	74
90	Impact of lipoteichoic acid modification on the performance of the probiotic <i>Lactobacillus rhamnosus</i> GG in experimental colitis. <i>Clinical and Experimental Immunology</i> , <b>2010</b> , 162, 306-14	6.2	74
89	Crucial role of transient receptor potential ankyrin 1 and mast cells in induction of nonallergic airway hyperreactivity in mice. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2013</b> , 187, 486-93 <sup>2</sup>	10.2	73
88	Progesterone increases airway eosinophilia and hyper-responsiveness in a murine model of allergic asthma. <i>Clinical and Experimental Allergy</i> , <b>2003</b> , 33, 1457-63	4.1	68
87	Blocking CD40 - CD154 and CD80/CD86 - CD28 interactions during primary allogeneic stimulation results in T cell anergy and high IL-10 production. <i>European Journal of Immunology</i> , <b>1999</b> , 29, 2367-75	6.1	64
86	Eosinophilic rhinitis accompanies the development of lower airway inflammation and hyper-reactivity in sensitized mice exposed to aerosolized allergen. <i>Clinical and Experimental Allergy</i> , <b>2001</b> , 31, 782-90	4.1	62
85	Immunological determinants of ventilatory changes induced in mice by dermal sensitization and respiratory challenge with toluene diisocyanate. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2007</b> , 292, L207-14	5.8	61
84	Aggravation of bronchial eosinophilia in mice by nasal and bronchial exposure to <i>Staphylococcus aureus</i> enterotoxin B. <i>Clinical and Experimental Allergy</i> , <b>2006</b> , 36, 1063-71	4.1	56
83	Defect in the membrane expression of high affinity 72-kD Fc gamma receptors on phagocytic cells in four healthy subjects. <i>Journal of Clinical Investigation</i> , <b>1988</b> , 82, 571-8	15.9	56
82	<i>Staphylococcus aureus</i> enterotoxin B facilitates allergic sensitization in experimental asthma. <i>Clinical and Experimental Allergy</i> , <b>2010</b> , 40, 1079-90	4.1	55
81	Intranasal administration of probiotic <i>Lactobacillus rhamnosus</i> GG prevents birch pollen-induced allergic asthma in a murine model. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , <b>2019</b> , 74, 100-110	9.3	54
80	Impact of luxS and suppressor mutations on the gastrointestinal transit of <i>Lactobacillus rhamnosus</i> GG. <i>Applied and Environmental Microbiology</i> , <b>2008</b> , 74, 4711-8	4.8	53
79	Detection of basophil-activating IgG autoantibodies in chronic idiopathic urticaria by induction of CD 63. <i>Journal of Allergy and Clinical Immunology</i> , <b>2005</b> , 116, 662-7	11.5	50
78	Type III IFN-lambda mRNA expression in sputum of adult and school-aged asthmatics. <i>Clinical and Experimental Allergy</i> , <b>2008</b> , 38, 1459-67	4.1	48
77	Subset markers of CD8(+) cells and their relation to enhanced cytotoxic T-cell activity during human immunodeficiency virus infection. <i>Journal of Clinical Immunology</i> , <b>1991</b> , 11, 345-56	5.7	48
76	<i>Staphylococcus aureus</i> enterotoxin B augments granulocyte migration and survival via airway epithelial cell activation. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , <b>2010</b> , 65, 1013-20	9.3	44
75	Explorative study on patient's perceived knowledge level, expectations, preferences and fear of side effects for treatment for allergic rhinitis. <i>Clinical and Translational Allergy</i> , <b>2012</b> , 2, 9	5.2	43

74	T lymphocyte dependence of the antibody response to 'T lymphocyte independent type 2' antigens. <i>Immunology</i> , <b>2004</b> , 111, 1-7	7.8	43
73	Contribution of regulatory T cells and effector T cell deletion in tolerance induction by costimulation blockade. <i>Journal of Immunology</i> , <b>2008</b> , 181, 1034-42	5.3	42
72	Cluster analysis of sputum cytokine-high profiles reveals diversity in T(h)2-high asthma patients. <i>Respiratory Research</i> , <b>2017</b> , 18, 39	7.3	41
71	Tumor necrosis factor-alpha and interleukin 6 synergistically induce T cell growth. <i>European Journal of Immunology</i> , <b>1990</b> , 20, 1019-25	6.1	41
70	Perioperative allergic reactions: experience in a Flemish referral centre. <i>Allergologia Et Immunopathologia</i> , <b>2014</b> , 42, 348-54	1.9	39
69	Immobilized anti-CD5 together with prolonged activation of protein kinase C induce interleukin 2-dependent T cell growth: evidence for signal transduction through CD5. <i>European Journal of Immunology</i> , <b>1991</b> , 21, 251-9	6.1	37
68	Immunotherapy with a modified birch pollen extract in allergic rhinoconjunctivitis: clinical and immunological effects. <i>Clinical and Experimental Allergy</i> , <b>2009</b> , 39, 1903-9	4.1	36
67	Inhibition of glycolipid biosynthesis by N-(5-adamantane-1-yl-methoxy-pentyl)-deoxynojirimycin protects against the inflammatory response in hapten-induced colitis. <i>International Immunopharmacology</i> , <b>2004</b> , 4, 939-51	5.8	36
66	Measurement of itching: validation of the Leuven Itch Scale. <i>Burns</i> , <b>2011</b> , 37, 939-50	2.3	34
65	Unique gene expression and MR T2 relaxometry patterns define chronic murine dextran sodium sulphate colitis as a model for connective tissue changes in human Crohn's disease. <i>PLoS ONE</i> , <b>2013</b> , 8, e68876	3.7	33
64	Effects of anti-IL-4 receptor monoclonal antibody on in vitro T cell cytokine levels: IL-4 production by T cells from non-atopic donors. <i>Clinical and Experimental Immunology</i> , <b>1998</b> , 113, 320-6	6.2	33
63	Uptake and presentation of malignant glioma tumor cell lysates by monocyte-derived dendritic cells. <i>Cancer Immunology, Immunotherapy</i> , <b>2005</b> , 54, 372-82	7.4	33
62	ICOS deficiency results in exacerbated IL-17 mediated experimental autoimmune encephalomyelitis. <i>Journal of Clinical Immunology</i> , <b>2009</b> , 29, 426-33	5.7	32
61	MP29-02 reduces nasal hyperreactivity and nasal mediators in patients with house dust mite-allergic rhinitis. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , <b>2018</b> , 73, 1084-1093	9.3	32
60	Selective nasal allergen provocation induces substance P-mediated bronchial hyperresponsiveness. <i>American Journal of Respiratory Cell and Molecular Biology</i> , <b>2011</b> , 44, 517-23	5.7	31
59	Essential role for CD40 ligand interactions in T lymphocyte-mediated modulation of the murine immune response to pneumococcal capsular polysaccharides. <i>Journal of Immunology</i> , <b>2002</b> , 168, 2773-81	5.3	31
58	Allergen-specific T cells from birch-pollen-allergic patients and healthy controls differ in T helper 2 cytokine and in interleukin-10 production. <i>Clinical and Experimental Allergy</i> , <b>2004</b> , 34, 879-87	4.1	30
57	Human T cell activation by costimulatory signal-deficient allogeneic cells induces inducible costimulator-expressing anergic T cells with regulatory cell activity. <i>Journal of Immunology</i> , <b>2004</b> , 172, 5371-8	5.3	29

56	Mucosal IL13RA2 expression predicts nonresponse to anti-TNF therapy in Crohn's disease. <i>Alimentary Pharmacology and Therapeutics</i> , <b>2019</b> , 49, 572-581	6.1	28
55	CD28/CTLA-4/B7 costimulatory pathway blockade affects regulatory T-cell function in autoimmunity. <i>European Journal of Immunology</i> , <b>2015</b> , 45, 1832-41	6.1	27
54	Restoring airway epithelial barrier dysfunction: a new therapeutic challenge in allergic airway disease. <i>Rhinology</i> , <b>2016</b> , 54, 195-205	7	27
53	Nasal epithelial barrier dysfunction increases sensitization and mast cell degranulation in the absence of allergic inflammation. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , <b>2020</b> , 75, 1155-1164	9.3	26
52	Persistent IL-10 production is required for glioma growth suppressive activity by Th1-directed effector cells after stimulation with tumor lysate-loaded dendritic cells. <i>Journal of Neuro-Oncology</i> , <b>2007</b> , 84, 131-40	4.8	25
51	Genetic Deletion of Tissue Inhibitor of Metalloproteinase-1/TIMP-1 Alters Inflammation and Attenuates Fibrosis in Dextran Sodium Sulphate-induced Murine Models of Colitis. <i>Journal of Crohn's and Colitis</i> , <b>2016</b> , 10, 1336-1350	1.5	24
50	The human antibody response to pneumococcal capsular polysaccharides is dependent on the CD40-CD40 ligand interaction. <i>European Journal of Immunology</i> , <b>2004</b> , 34, 850-858	6.1	24
49	Anti-Tumor Necrosis Factor Therapy Restores Peripheral Blood B-cell Subsets and CD40 Expression in Inflammatory Bowel Diseases. <i>Inflammatory Bowel Diseases</i> , <b>2015</b> , 21, 2787-96	4.5	23
48	Haptoglobin deficiency facilitates the development of autoimmune inflammation. <i>European Journal of Immunology</i> , <b>2009</b> , 39, 3404-12	6.1	23
47	Effects of haptoglobin polymorphisms and deficiency on susceptibility to inflammatory bowel disease and on severity of murine colitis. <i>Gut</i> , <b>2012</b> , 61, 528-34	19.2	22
46	Effects of anti-tumour necrosis factor, interleukin-10 and antibiotic therapy in the indometacin-induced bowel inflammation rat model. <i>Alimentary Pharmacology and Therapeutics</i> , <b>2001</b> , 15, 1827-36	6.1	22
45	Foxp3+ regulatory T cells are activated in spite of B7-CD28 and CD40-CD40L blockade. <i>European Journal of Immunology</i> , <b>2013</b> , 43, 1013-23	6.1	21
44	Involvement of 4-1BB (CD137)-4-1BBligand interaction in the modulation of CD4 T cell-mediated inflammatory colitis. <i>Clinical and Experimental Immunology</i> , <b>2006</b> , 143, 228-36	6.2	21
43	Direct demonstration of binding of anti-Leu 4 antibody to the 40 kDa Fc receptor on monocytes as a prerequisite for anti-Leu 4-induced T cell mitogenesis. <i>Journal of Immunology</i> , <b>1987</b> , 139, 4067-71	5.3	21
42	Naive human T cells can be a source of IL-4 during primary immune responses. <i>Clinical and Experimental Immunology</i> , <b>1999</b> , 118, 384-91	6.2	20
41	Immunomodulatory effects of treatment with naproxen in patients with rheumatic disease. <i>Arthritis and Rheumatism</i> , <b>1986</b> , 29, 305-11		19
40	Placental growth factor contributes to bronchial neutrophilic inflammation and edema in allergic asthma. <i>American Journal of Respiratory Cell and Molecular Biology</i> , <b>2012</b> , 46, 781-9	5.7	18
39	Effects of T cell-induced colonic inflammation on epithelial barrier function. <i>Inflammatory Bowel Diseases</i> , <b>2010</b> , 16, 1322-31	4.5	18

38	Immunological Alterations in Haemophiliacs Treated with Lyophilized Factor VIII Cryoprecipitate from Volunteer Donors. <i>Thrombosis and Haemostasis</i> , <b>1984</b> , 51, 207-211	7	16
37	Programmed cell death-1 expression correlates with disease severity and IL-5 in chronic rhinosinusitis with nasal polyps. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , <b>2017</b> , 72, 985-993	9.3	15
36	A chest physician's guide to mechanisms of sinonasal disease. <i>Thorax</i> , <b>2015</b> , 70, 353-8	7.3	15
35	probiotic prevents airway function deterioration and promotes gut microbiome resilience in a murine asthma model. <i>Gut Microbes</i> , <b>2020</b> , 11, 1729-1744	8.8	15
34	Stepwise approach towards adoption of allergen immunotherapy for allergic rhinitis and asthma patients in daily practice in Belgium: a BelSACI-Abeforcral-EUFOREA statement. <i>Clinical and Translational Allergy</i> , <b>2019</b> , 9, 1	5.2	14
33	Airway exposure to hypochlorite prior to ovalbumin induces airway hyperreactivity without evidence for allergic sensitization. <i>Toxicology Letters</i> , <b>2011</b> , 204, 101-7	4.4	14
32	CD4+ T lymphocytes expressing CD40 ligand help the IgM antibody response to soluble pneumococcal polysaccharides via an intermediate cell type. <i>Journal of Immunology</i> , <b>2006</b> , 176, 529-36	5.3	14
31	A bidirectional regulatory network involving IL 2 and IL 4 in the alternative CD2 pathway of T cell activation. <i>European Journal of Immunology</i> , <b>1990</b> , 20, 1569-75	6.1	14
30	Lolium perenne peptides for treatment of grass pollen allergy: A randomized, double-blind, placebo-controlled clinical trial. <i>Journal of Allergy and Clinical Immunology</i> , <b>2018</b> , 141, 448-451	11.5	13
29	Regulatory T Cell-Dependent and -Independent Mechanisms of Immune Suppression by CD28/B7 and CD40/CD40L Costimulation Blockade. <i>Journal of Immunology</i> , <b>2016</b> , 197, 533-40	5.3	13
28	Probiotics against airway allergy: host factors to consider. <i>DMM Disease Models and Mechanisms</i> , <b>2018</b> , 11,	4.1	13
27	Conjunctival effects of a selective nasal pollen provocation. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , <b>2010</b> , 65, 1173-81	9.3	13
26	Inhibition of synovial fluid T cell proliferation by anti-CD5 monoclonal antibodies. A potential mechanism for their immunotherapeutic action in vivo. <i>Arthritis and Rheumatism</i> , <b>1992</b> , 35, 1445-51		13
25	Low cord blood Foxp3/CD3 mRNA ratios: a marker of increased risk for allergy development. <i>Clinical and Experimental Allergy</i> , <b>2015</b> , 45, 232-7	4.1	11
24	Restoration of Foxp3+ Regulatory T-cell Subsets and Foxp3- Type 1 Regulatory-like T Cells in Inflammatory Bowel Diseases During Anti-tumor Necrosis Factor Therapy. <i>Inflammatory Bowel Diseases</i> , <b>2015</b> , 21, 2418-28	4.5	11
23	Identification of an enriched CD4+ CD8alpha++ CD8beta+ T-cell subset among tumor-infiltrating lymphocytes in human renal cell carcinoma. <i>International Journal of Cancer</i> , <b>1997</b> , 71, 178-82	7.5	11
22	Nasal allergen deposition leads to conjunctival mast cell degranulation in allergic rhinoconjunctivitis. <i>American Journal of Rhinology and Allergy</i> , <b>2014</b> , 28, 290-6	2.4	9
21	Effects of Epithelial IL-13R Expression in Inflammatory Bowel Disease. <i>Frontiers in Immunology</i> , <b>2018</b> , 9, 2983	8.4	9

20	Defining thresholds of specific IgE levels to grass pollen and birch pollen allergens improves clinical interpretation. <i>Clinica Chimica Acta</i> , <b>2015</b> , 450, 46-50	6.2	8
19	Interleukin-15 receptor expression in inflammatory bowel disease patients before and after normalization of inflammation with infliximab. <i>Immunology</i> , <b>2013</b> , 138, 47-56	7.8	8
18	In vivo maturation of T(H) cells in relation to atopy. <i>Journal of Allergy and Clinical Immunology</i> , <b>2011</b> , 128, 234-237.e7	11.5	8
17	T-cell mediated late increase in bronchial tone after allergen provocation in a murine asthma model. <i>Clinical Immunology</i> , <b>2008</b> , 128, 248-58	9	8
16	IL-13 is a central mediator of chemical-induced airway hyperreactivity in mice. <i>PLoS ONE</i> , <b>2017</b> , 12, e0180690	9.7	8
15	Sensitization to inhaled ryegrass pollen by collateral priming in a murine model of allergic respiratory disease. <i>International Archives of Allergy and Immunology</i> , <b>2010</b> , 152, 233-42	3.7	7
14	The human polysaccharide- and protein-specific immune response to <i>Streptococcus pneumoniae</i> is dependent on CD4(+) T lymphocytes, CD14(+) monocytes, and the CD40-CD40 ligand interaction. <i>Journal of Allergy and Clinical Immunology</i> , <b>2008</b> , 122, 1231-3	11.5	7
13	Activation of the immune system in cancer patients. <i>Medical and Pediatric Oncology</i> , <b>2000</b> , 34, 1-9		7
12	Blocking costimulatory pathways: prospects for inducing transplantation tolerance. <i>Immunotherapy</i> , <b>2010</b> , 2, 497-509	3.8	6
11	Fibrogenesis in Chronic DSS Colitis is Not Influenced by Neutralisation of Regulatory T Cells, of Major T Helper Cytokines or Absence of IL-13. <i>Scientific Reports</i> , <b>2019</b> , 9, 10064	4.9	5
10	Generation of antibody responses to pneumococcal capsular polysaccharides is independent of CD1 expression in mice. <i>Infection and Immunity</i> , <b>2009</b> , 77, 1976-80	3.7	5
9	Neonatal IL-10 production and risk of allergy development. <i>Clinical and Experimental Allergy</i> , <b>2012</b> , 42, 483-4; author reply 485	4.1	4
8	Multivariate reconstruction of lymphocyte profiles in a two-dimensional graphical model as a tool for the investigation of lymphocyte subset distribution in health and disease. <i>Cytometry</i> , <b>1997</b> , 28, 220-7		4
7	Distinct approaches to investigate the importance of the murine 4-1BB 4-1BBL interaction in the antibody response to <i>Streptococcus pneumoniae</i> . <i>Journal of Leukocyte Biology</i> , <b>2007</b> , 82, 638-44	6.5	4
6	Blocking CD40 [CD154 and CD80/CD86 [CD28 interactions during primary allogeneic stimulation results in T cell anergy and high IL-10 production <b>1999</b> , 29, 2367		4
5	Fibrogenesis in chronic murine colitis is independent of innate lymphoid cells. <i>Immunity, Inflammation and Disease</i> , <b>2020</b> , 8, 393-407	2.4	3
4	Innate Lymphoid Cells Are Required to Induce Airway Hyperreactivity in a Murine Neutrophilic Asthma Model.. <i>Frontiers in Immunology</i> , <b>2022</b> , 13, 849155	8.4	2
3	Th2-high asthma: a heterogeneous asthma population?. <i>Clinical and Translational Allergy</i> , <b>2015</b> , 5, O1	5.2	1

- 2 Blocking CD40 [CD154 and CD80/CD86 [CD28 interactions during primary allogeneic stimulation results in T cell anergy and high IL-10 production 1
- 1 Value-added reporting of specific IgE. *Allergy: European Journal of Allergy and Clinical Immunology*, 2016, 71, 1644 93