

Martijn C Nawijn

List of Publications by Citations

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109
papers

6,887
citations

37
h-index

82
g-index

118
ext. papers

8,762
ext. citations

9.1
avg, IF

5.45
L-index

#	Paper	IF	Citations
109	SARS-CoV-2 Receptor ACE2 Is an Interferon-Stimulated Gene in Human Airway Epithelial Cells and Is Detected in Specific Cell Subsets across Tissues. <i>Cell</i> , 2020 , 181, 1016-1035.e19	56.2	1326
108	The Human Cell Atlas. <i>ELife</i> , 2017 , 6,	8.9	937
107	For better or for worse: the role of Pim oncogenes in tumorigenesis. <i>Nature Reviews Cancer</i> , 2011 , 11, 23-34	31.3	346
106	A cellular census of human lungs identifies novel cell states in health and in asthma. <i>Nature Medicine</i> , 2019 , 25, 1153-1163	50.5	334
105	Mice deficient for all PIM kinases display reduced body size and impaired responses to hematopoietic growth factors. <i>Molecular and Cellular Biology</i> , 2004 , 24, 6104-15	4.8	262
104	p15Ink4b is a critical tumour suppressor in the absence of p16Ink4a. <i>Nature</i> , 2007 , 448, 943-6	50.4	210
103	Expression of the transcription factor GATA-3 is required for the development of the earliest T cell progenitors and correlates with stages of cellular proliferation in the thymus. <i>European Journal of Immunology</i> , 1999 , 29, 1912-8	6.1	162
102	Pim serine/threonine kinases regulate the stability of Socs-1 protein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 2175-80	11.5	161
101	E-cadherin: gatekeeper of airway mucosa and allergic sensitization. <i>Trends in Immunology</i> , 2011 , 32, 248-254	5.4	140
100	Decoding asthma: translating genetic variation in IL33 and IL1RL1 into disease pathophysiology. <i>Journal of Allergy and Clinical Immunology</i> , 2013 , 131, 856-65	11.5	128
99	DNA methylation in childhood asthma: an epigenome-wide meta-analysis. <i>Lancet Respiratory Medicine</i> , 2018 , 6, 379-388	35.1	119
98	The composition of house dust mite is critical for mucosal barrier dysfunction and allergic sensitisation. <i>Thorax</i> , 2012 , 67, 488-95	7.3	115
97	MeDALL (Mechanisms of the Development of ALLergy): an integrated approach from phenotypes to systems medicine. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2011 , 66, 596-604	9.3	115
96	Mechanisms of the Development of Allergy (MeDALL): Introducing novel concepts in allergy phenotypes. <i>Journal of Allergy and Clinical Immunology</i> , 2017 , 139, 388-399	11.5	103
95	The Human Lung Cell Atlas: A High-Resolution Reference Map of the Human Lung in Health and Disease. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2019 , 61, 31-41	5.7	98
94	DAMPs activating innate and adaptive immune responses in COPD. <i>Mucosal Immunology</i> , 2014 , 7, 215-26	9.2	98
93	Cigarette smoke-induced necroptosis and DAMP release trigger neutrophilic airway inflammation in mice. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2016 , 310, L377-86	5.8	92

92	Targeting PIM kinases impairs survival of hematopoietic cells transformed by kinase inhibitor-sensitive and kinase inhibitor-resistant forms of Fms-like tyrosine kinase 3 and BCR/ABL. <i>Cancer Research</i> , 2006 , 66, 3828-35	10.1	88
91	Airway epithelial barrier function regulates the pathogenesis of allergic asthma. <i>Clinical and Experimental Allergy</i> , 2014 , 44, 620-30	4.1	79
90	The role of the IL-33/IL-1RL1 axis in mast cell and basophil activation in allergic disorders. <i>Molecular Immunology</i> , 2015 , 63, 80-5	4.3	78
89	Cigarette smoke-induced damage-associated molecular pattern release from necrotic neutrophils triggers proinflammatory mediator release. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2015 , 52, 554-62	5.7	77
88	Enforced expression of GATA-3 in transgenic mice inhibits Th1 differentiation and induces the formation of a T1/ST2-expressing Th2-committed T cell compartment in vivo. <i>Journal of Immunology</i> , 2001 , 167, 724-32	5.3	77
87	Enforced expression of GATA-3 during T cell development inhibits maturation of CD8 single-positive cells and induces thymic lymphoma in transgenic mice. <i>Journal of Immunology</i> , 2001 , 167, 715-23	5.3	74
86	Severe chronic allergic (and related) diseases: a uniform approach--a MeDALL--GA2LEN--ARIA position paper. <i>International Archives of Allergy and Immunology</i> , 2012 , 158, 216-31	3.7	71
85	The single-cell eQTLGen consortium. <i>ELife</i> , 2020 , 9,	8.9	68
84	Are allergic multimorbidities and IgE polysensitization associated with the persistence or re-occurrence of foetal type 2 signalling? The MeDALL hypothesis. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2015 , 70, 1062-78	9.3	66
83	Paving the way of systems biology and precision medicine in allergic diseases: the MeDALL success story: Mechanisms of the Development of ALLergy; EU FP7-CP-IP; Project No: 261357; 2010-2015. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2016 , 71, 1513-1525	9.3	63
82	Understanding the complexity of IgE-related phenotypes from childhood to young adulthood: a Mechanisms of the Development of Allergy (MeDALL) seminar. <i>Journal of Allergy and Clinical Immunology</i> , 2012 , 129, 943-54.e4	11.5	55
81	Epithelial cell dysfunction, a major driver of asthma development. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2020 , 75, 1902-1917	9.3	54
80	Cutting edge: Suppressor of cytokine signaling 3 inhibits activation of NFATp. <i>Journal of Immunology</i> , 2002 , 168, 4277-81	5.3	53
79	Severe B cell deficiency and disrupted splenic architecture in transgenic mice expressing the E41K mutated form of Bruton's tyrosine kinase. <i>EMBO Journal</i> , 1998 , 17, 5309-20	13	51
78	Frat is dispensable for canonical Wnt signaling in mammals. <i>Genes and Development</i> , 2005 , 19, 425-30	12.6	51
77	Susceptibility for cigarette smoke-induced DAMP release and DAMP-induced inflammation in COPD. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2016 , 311, L881-L892	5.8	41
76	House dust mite-induced calcium signaling instigates epithelial barrier dysfunction and CCL20 production. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2013 , 68, 1117-25	9.3	40
75	The Pediatric Cell Atlas: Defining the Growth Phase of Human Development at Single-Cell Resolution. <i>Developmental Cell</i> , 2019 , 49, 10-29	10.2	39

74	Increased serum levels of LL37, HMGB1 and S100A9 during exacerbation in COPD patients. <i>European Respiratory Journal</i> , 2015 , 45, 1482-5	13.6	38
73	Pooling birth cohorts in allergy and asthma: European Union-funded initiatives - a MeDALL, CHICOS, ENRIECO, and GALEN joint paper. <i>International Archives of Allergy and Immunology</i> , 2013 , 161, 1-10	3.7	38
72	Contribution of regulatory T cells to alleviation of experimental allergic asthma after specific immunotherapy. <i>Clinical and Experimental Allergy</i> , 2012 , 42, 1519-28	4.1	37
71	TLR-2 activation induces regulatory T cells and long-term suppression of asthma manifestations in mice. <i>PLoS ONE</i> , 2013 , 8, e55307	3.7	35
70	Nasal DNA methylation profiling of asthma and rhinitis. <i>Journal of Allergy and Clinical Immunology</i> , 2020 , 145, 1655-1663	11.5	34
69	Muscarinic receptor subtype-specific effects on cigarette smoke-induced inflammation in mice. <i>European Respiratory Journal</i> , 2013 , 42, 1677-88	13.6	34
68	Recent advances in the epigenetics and genomics of asthma. <i>Current Opinion in Allergy and Clinical Immunology</i> , 2011 , 11, 414-9	3.3	34
67	Frat oncoproteins act at the crossroad of canonical and noncanonical Wnt-signaling pathways. <i>Oncogene</i> , 2010 , 29, 93-104	9.2	30
66	Subcutaneous immunotherapy with purified Der p1 and 2 suppresses type 2 immunity in a murine asthma model. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2018 , 73, 862-874	9.3	29
65	Protease-activated receptor-2 activation contributes to house dust mite-induced IgE responses in mice. <i>PLoS ONE</i> , 2014 , 9, e91206	3.7	29
64	Characterization of protocadherin-1 expression in primary bronchial epithelial cells: association with epithelial cell differentiation. <i>FASEB Journal</i> , 2012 , 26, 439-48	0.9	28
63	Computational analysis of multimorbidity between asthma, eczema and rhinitis. <i>PLoS ONE</i> , 2017 , 12, e0179125	3.7	26
62	Suppression of Th2-driven airway inflammation by allergen immunotherapy is independent of B cell and Ig responses in mice. <i>Journal of Immunology</i> , 2010 , 185, 3857-65	5.3	26
61	GITR signaling potentiates airway hyperresponsiveness by enhancing Th2 cell activity in a mouse model of asthma. <i>Respiratory Research</i> , 2009 , 10, 93	7.3	26
60	Cryopreservation does not alter the frequency of regulatory T cells in peripheral blood mononuclear cells. <i>Journal of Immunological Methods</i> , 2010 , 353, 138-40	2.5	25
59	Iron administration reduces airway hyperreactivity and eosinophilia in a mouse model of allergic asthma. <i>Clinical and Experimental Immunology</i> , 2011 , 166, 80-6	6.2	24
58	The challenge of measuring IL-33 in serum using commercial ELISA: lessons from asthma. <i>Clinical and Experimental Allergy</i> , 2016 , 46, 884-7	4.1	22
57	Integrated Single-Cell Atlas of Endothelial Cells of the Human Lung. <i>Circulation</i> , 2021 , 144, 286-302	16.7	22

56	Cigarette smoke exposure decreases CFLAR expression in the bronchial epithelium, augmenting susceptibility for lung epithelial cell death and DAMP release. <i>Scientific Reports</i> , 2018 , 8, 12426	4.9	21
55	A review on the pathophysiology of asthma remission. <i>Pharmacology & Therapeutics</i> , 2019 , 201, 8-24	13.9	20
54	Susceptibility to chronic mucus hypersecretion, a genome wide association study. <i>PLoS ONE</i> , 2014 , 9, e91621	3.7	19
53	Human airway mast cells proliferate and acquire distinct inflammation-driven phenotypes during type 2 inflammation. <i>Science Immunology</i> , 2021 , 6,	2.8	19
52	Increased neutrophil expression of pattern recognition receptors during COPD exacerbations. <i>Respirology</i> , 2017 , 22, 401-404	3.6	17
51	Gene expression analysis predicts insect venom anaphylaxis in indolent systemic mastocytosis. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2011 , 66, 648-57	9.3	17
50	Genetic regulation of methylation and IL1RL1-a protein levels in asthma. <i>European Respiratory Journal</i> , 2018 , 51,	13.6	16
49	Protocadherin-1 binds to SMAD3 and suppresses TGF- β 1-induced gene transcription. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2015 , 309, L725-35	5.8	15
48	Protocadherin-1 Localization and Cell-Adhesion Function in Airway Epithelial Cells in Asthma. <i>PLoS ONE</i> , 2016 , 11, e0163967	3.7	15
47	Resveratrol and Pterostilbene Inhibit SARS-CoV-2 Replication in Air-Liquid Interface Cultured Human Primary Bronchial Epithelial Cells. <i>Viruses</i> , 2021 , 13,	6.2	15
46	A specific DAMP profile identifies susceptibility to smoke-induced airway inflammation. <i>European Respiratory Journal</i> , 2014 , 43, 1183-6	13.6	14
45	Differential DNA methylation in bronchial biopsies between persistent asthma and asthma in remission. <i>European Respiratory Journal</i> , 2020 , 55,	13.6	14
44	Basophil activation test in the diagnosis and monitoring of mastocytosis patients with wasp venom allergy on immunotherapy. <i>Cytometry Part B - Clinical Cytometry</i> , 2014 , 86, 183-90	3.4	13
43	Genetic variation associates with susceptibility for cigarette smoke-induced neutrophilia in mice. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2015 , 308, L693-709	5.8	12
42	Pim3 negatively regulates glucose-stimulated insulin secretion. <i>Islets</i> , 2010 , 2, 308-17	2	12
41	Periostin: contributor to abnormal airway epithelial function in asthma?. <i>European Respiratory Journal</i> , 2021 , 57,	13.6	12
40	Phenotypic and functional translation of IL1RL1 locus polymorphisms in lung tissue and asthmatic airway epithelium. <i>JCI Insight</i> , 2020 , 5,	9.9	11
39	Inhibition of Pim1 kinase reduces viral replication in primary bronchial epithelial cells. <i>European Respiratory Journal</i> , 2015 , 45, 1745-8	13.6	10

38	Subcutaneous immunotherapy suppresses Th2 inflammation and induces neutralizing antibodies, but sublingual immunotherapy suppresses airway hyperresponsiveness in grass pollen mouse models for allergic asthma. <i>Clinical and Experimental Allergy</i> , 2018 , 48, 1035-1049	4.1	10
37	Cytotoxic T lymphocyte antigen 4-immunoglobulin G is a potent adjuvant for experimental allergen immunotherapy. <i>Clinical and Experimental Immunology</i> , 2013 , 172, 113-20	6.2	10
36	Phenotypic and functional translation of IL33 genetics in asthma. <i>Journal of Allergy and Clinical Immunology</i> , 2021 , 147, 144-157	11.5	10
35	Genetic variance is associated with susceptibility for cigarette smoke-induced DAMP release in mice. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2017 , 313, L559-L580	5.8	9
34	Subcutaneous immunotherapy using modified Phl p5a-derived peptides efficiently alleviates allergic asthma in mice. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2019 , 74, 2495-2498	9.3	8
33	Inhibition of Pim1 kinase, new therapeutic approach in virus-induced asthma exacerbations. <i>European Respiratory Journal</i> , 2016 , 47, 783-91	13.6	8
32	Flow cytometric analysis of cytokine expression in short-term allergen-stimulated T cells mirrors the phenotype of proliferating T cells in long-term cultures. <i>Journal of Immunological Methods</i> , 2011 , 371, 114-21	2.5	8
31	Expression Atlas update: gene and protein expression in multiple species. <i>Nucleic Acids Research</i> , 2021 ,	20.1	8
30	Determinants of SARS-CoV-2 receptor gene expression in upper and lower airways 2020 ,		8
29	Resveratrol And Pterostilbene Potently Inhibit SARS-CoV-2 Replication In Vitro		8
28	A Novel Role for Bronchial MicroRNAs and Long Noncoding RNAs in Asthma Remission. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020 , 202, 614-618	10.2	7
27	Mouse protocadherin-1 gene expression is regulated by cigarette smoke exposure in vivo. <i>PLoS ONE</i> , 2014 , 9, e98197	3.7	7
26	MOXIDECTIN AND IVERMECTIN INHIBIT SARS-COV-2 REPLICATION IN VERO E6 CELLS BUT NOT IN HUMAN PRIMARY AIRWAY EPITHELIUM CELLS. <i>Antimicrobial Agents and Chemotherapy</i> , 2021 , AAC0154321	5.9	7
25	IL1RL1 gene variations are associated with asthma exacerbations in children and adolescents using inhaled corticosteroids. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2020 , 75, 984-989	9.3	7
24	Glutathione S-transferases and their implications in the lung diseases asthma and chronic obstructive pulmonary disease: Early life susceptibility?. <i>Redox Biology</i> , 2021 , 43, 101995	11.3	7
23	Smooth-muscle-derived WNT5A augments allergen-induced airway remodelling and Th2 type inflammation. <i>Scientific Reports</i> , 2020 , 10, 6754	4.9	7
22	Subcutaneous and Sublingual Immunotherapy in a Mouse Model of Allergic Asthma. <i>Methods in Molecular Biology</i> , 2017 , 1559, 137-168	1.4	5
21	Predictive value of serum sST2 in preschool wheezers for development of asthma with high FeNO. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2017 , 72, 1811-1815	9.3	5

20	Shared DNA methylation signatures in childhood allergy: The MeDALL study. <i>Journal of Allergy and Clinical Immunology</i> , 2021 , 147, 1031-1040	11.5	5
19	Genetically Engineered Mouse Models of Prostate Cancer. <i>European Urology Supplements</i> , 2008 , 7, 566-575	5.5	4
18	Integrated Single Cell Atlas of Endothelial Cells of the Human Lung		4
17	IL-1RL1a serum levels and IL1RL1 SNPs in the prediction of food allergy. <i>Clinical and Experimental Allergy</i> , 2021 , 51, 614-619	4.1	4
16	Applying the CAMP trial asthma remission prediction model to the Dutch asthma remission studies. <i>Journal of Allergy and Clinical Immunology</i> , 2019 , 143, 1973-1975	11.5	3
15	Optical Coherence Tomography Intensity Correlates with Extracellular Matrix Components in the Airway Wall. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020 , 202, 762-766	10.2	3
14	Inhibition of β -catenin/CBP signalling improves airway epithelial barrier function and suppresses CCL20 release. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2020 , 75, 1786-1789	9.3	3
13	Identification of the Mhc region as an asthma susceptibility locus in recombinant congenic mice. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2011 , 45, 295-303	5.7	3
12	SARS-CoV-2-specific hotspots in virus-host interaction networks. <i>Nature Immunology</i> , 2021 , 22, 806-808	19.1	3
11	Methods for Experimental Allergen Immunotherapy: Subcutaneous and Sublingual Desensitization in Mouse Models of Allergic Asthma. <i>Methods in Molecular Biology</i> , 2021 , 2223, 295-335	1.4	2
10	1,25(OH)VitD3 supplementation enhances suppression of grass pollen-induced allergic asthma by subcutaneous and sublingual immunotherapy in a mouse model. <i>Scientific Reports</i> , 2020 , 10, 8960	4.9	1
9	High dose vitamin D empowers effects of subcutaneous immunotherapy in a grass pollen-driven mouse model of asthma. <i>Scientific Reports</i> , 2020 , 10, 20876	4.9	1
8	Comparison of genome-wide gene expression profiling by RNA Sequencing microarray in bronchial biopsies of COPD patients before and after inhaled corticosteroid treatment: does it provide new insights?. <i>ERJ Open Research</i> , 2021 , 7,	3.5	1
7	Moxidectin and ivermectin inhibit SARS-CoV-2 replication in Vero E6 cells but not in human primary airway epithelium cells		1
6	Assessing small airways dysfunction in asthma, asthma remission and healthy controls using particles in exhaled air. <i>ERJ Open Research</i> , 2019 , 5,	3.5	1
5	Nasal gene expression changes with inhaled corticosteroid treatment in asthma. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2020 , 75, 191-194	9.3	1
4	Allergen immunotherapy for allergic airway diseases: Use lessons from the past to design a brighter future.. <i>Pharmacology & Therapeutics</i> , 2022 , 237, 108115	13.9	0
3	The Human Lung Cell Atlas: a transformational resource for cells of the respiratory system 2021 , 158-174		0

- 2 Inhibition of β -Catenin/CREB Binding Protein Signaling Attenuates House Dust Mite-Induced Goblet Cell Metaplasia in Mice. *Frontiers in Physiology*, **2021**, 12, 690531 4.6 ○
- 1 Basophil activation test in mastocytosis patients with and without wasp venom allergy. *Cytometry Part B - Clinical Cytometry*, **2015**, 88, 5 3.4