## **Catherine Hawrylowicz**

List of Publications by Year in descending order

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		50566	36203
127	10,672	48	101
papers	citations	h-index	g-index
132	132	132	12391
all docs	docs citations	times ranked	citing authors

#	Article	IF	CITATIONS
1	Effects of vitamin D supplementation on circulating concentrations of growth factors and immune-mediators in healthy women during pregnancy. Pediatric Research, 2021, 89, 554-562.	1.1	12
2	Hormone replacement therapy and asthma onset in menopausal women: National cohort study. Journal of Allergy and Clinical Immunology, 2021, 147, 1662-1670.	1.5	20
3	Hormonal contraception and the risk of severe asthma exacerbation: 17-year population-based cohort study. Thorax, 2021, 76, 109-115.	2.7	18
4	Hormone Replacement Therapy and Risk of Severe Asthma Exacerbation in Perimenopausal and Postmenopausal Women: 17-Year National Cohort Study. Journal of Allergy and Clinical Immunology: in Practice, 2021, 9, 2751-2760.e1.	2.0	12
5	The Induction of Alpha-1 Antitrypsin by Vitamin D in Human T Cells Is TGF-Î <sup>2</sup> Dependent: A Proposed Anti-inflammatory Role in Airway Disease. Frontiers in Nutrition, 2021, 8, 667203.	1.6	6
6	Menopausal hormone therapy and women's health: An umbrella review. PLoS Medicine, 2021, 18, e1003731.	3.9	74
7	Vitamin D: can the sun stop the atopic epidemic?. Current Opinion in Allergy and Clinical Immunology, 2020, 20, 181-187.	1.1	15
8	Allergens TRP a swITCH to Initiate Type 2 Immunity. Immunity, 2020, 53, 900-902.	6.6	4
9	The Hidden Burden of Severe Asthma: From Patient Perspective to New Opportunities for Clinicians. Journal of Clinical Medicine, 2020, 9, 2397.	1.0	6
10	Air pollution and its effects on the immune system. Free Radical Biology and Medicine, 2020, 151, 56-68.	1.3	326
11	Hormonal contraceptives and onset of asthma in reproductive-age women: Population-based cohort study. Journal of Allergy and Clinical Immunology, 2020, 146, 438-446.	1.5	15
12	Vitamin D (1,25(OH)2D3) induces α-1-antitrypsin synthesis by CD4+ T cells, which is required for 1,25(OH)2D3-driven IL-10. Journal of Steroid Biochemistry and Molecular Biology, 2019, 189, 1-9.	1.2	28
13	High-Dose IL-2 Skews a Glucocorticoid-Driven IL-17+IL-10+ Memory CD4+ T Cell Response towards a Single IL-10–Producing Phenotype. Journal of Immunology, 2019, 202, 684-693.	0.4	18
14	Biphasic activation of complement and fibrinolysis during the human nasal allergic response. Journal of Allergy and Clinical Immunology, 2018, 141, 1892-1895.e6.	1.5	8
15	Vitamin D supplementation during pregnancy: Effect on the neonatal immune system in a randomized controlled trial. Journal of Allergy and Clinical Immunology, 2018, 141, 269-278.e1.	1.5	82
16	Urban particulate matter stimulation of human dendritic cells enhances priming of naive <scp>CD</scp> 8 T lymphocytes. Immunology, 2018, 153, 502-512.	2.0	28
17	Vitamin D in Asthma. Chest, 2018, 153, 1229-1239.	0.4	96
18	Dendritic cell phenotype in severe asthma reflects clinical responsiveness to glucocorticoids. Clinical and Experimental Allergy, 2018, 48, 13-22.	1.4	9

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19	Exogenous sex steroid hormones and asthma in females: protocol for a population-based retrospective cohort study using a UK primary care database. BMJ Open, 2018, 8, e020075.	0.8	7
20	Effects of vitamin D on inflammatory and oxidative stress responses of human bronchial epithelial cells exposed to particulate matter. PLoS ONE, 2018, 13, e0200040.	1.1	64
21	Vitamin D and Adaptive Immunology in Health and Disease. , 2018, , 937-949.		2
22	Interleukin 10 inhibits pro-inflammatory cytokine responses and killing of Burkholderia pseudomallei. Scientific Reports, 2017, 7, 42791.	1.6	63
23	Addressing unmet needs in understanding asthma mechanisms. European Respiratory Journal, 2017, 49, 1602448.	3.1	47
24	Vitamin D Counteracts an IL-23–Dependent IL-17A <sup>+</sup> IFN- <i>γ</i> <sup>+</sup> Response Driven by Urban Particulate Matter. American Journal of Respiratory Cell and Molecular Biology, 2017, 57, 355-366.	1.4	29
25	Activin-A co-opts IRF4 and AhR signaling to induce human regulatory T cells that restrain asthmatic responses. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E2891-E2900.	3.3	52
26	ASTHMA — comparing the impact of vitamin D versus UVR on clinical and immune parameters. Photochemical and Photobiological Sciences, 2017, 16, 399-410.	1.6	10
27	The Effect of Vitamin D Supplementation on Mucosal IL-5, MMP9 and Cathelicidin after Nasal Allergen Challenge with Grass Pollen. Journal of Allergy and Clinical Immunology, 2016, 137, AB73.	1.5	1
28	Effect of Prenatal Supplementation With Vitamin D on Asthma or Recurrent Wheezing in Offspring by Age 3 Years. JAMA - Journal of the American Medical Association, 2016, 315, 362.	3.8	351
29	Urban Particulate Matter–Activated Human Dendritic Cells Induce the Expansion of Potent Inflammatory Th1, Th2, and Th17 Effector Cells. American Journal of Respiratory Cell and Molecular Biology, 2016, 54, 250-262.	1.4	53
30	1 <i>α</i> ,25â€dihydroxyvitamin D3 acts via transforming growth factorâ€ <i>β</i> to upâ€regulate expression of immunosuppressive CD73 on human CD4 <sup>+</sup> Foxp3 <sup>–</sup> T cells. Immunology, 2015, 146, 423-431.	2.0	20
31	A comparative phase 1 clinical trial to identify anti-infective mechanisms of vitamin D in people with HIV infection. Aids, 2015, 29, 1127-1135.	1.0	21
32	Vitamin D enhances production of soluble ST2, inhibiting the action of IL-33. Journal of Allergy and Clinical Immunology, 2015, 135, 824-827.e3.	1.5	49
33	Double-blind randomised placebo-controlled trial of bolus-dose vitamin D <sub>3</sub> supplementation in adults with asthma (ViDiAs). Thorax, 2015, 70, 451-457.	2.7	99
34	Distinct endotypes of steroid-resistant asthma characterized by IL-17Ahigh and IFN-γhigh immunophenotypes: Potential benefits of calcitriol. Journal of Allergy and Clinical Immunology, 2015, 136, 628-637.e4.	1.5	170
35	Vitamin D 3 supplementation in patients with chronic obstructive pulmonary disease (ViDiCO): a multicentre, double-blind, randomised controlled trial. Lancet Respiratory Medicine,the, 2015, 3, 120-130.	5.2	186
36	Urban Particulate Matter Suppresses Priming of T Helper Type 1 Cells by Granulocyte/Macrophage Colony–Stimulating Factor–Activated Human Dendritic Cells. American Journal of Respiratory Cell and Molecular Biology, 2014, 50, 281-291.	1.4	23

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37	Vitamin D Influences Asthmatic Pathology through Its Action on Diverse Immunological Pathways. Annals of the American Thoracic Society, 2014, 11, S314-S321.	1.5	30
38	Defective IL-10 expression and in vitro steroid-induced IL-17A in paediatric severe therapy-resistant asthma. Thorax, 2014, 69, 508-515.	2.7	80
39	1 <i>α</i> ,25â€dihydroxyvitamin D3 in combination with transforming growth factorâ€ <i>β</i> increases the frequency of Foxp3 <sup>+</sup> regulatory T cells through preferential expansion and usage of interleukinâ€2. Immunology, 2014, 143, 52-60.	2.0	62
40	Vitamin <scp>D</scp> deficiency induces <scp>T</scp> h2 skewing and eosinophilia in neonatal allergic airways disease. Allergy: European Journal of Allergy and Clinical Immunology, 2014, 69, 1380-1389.	2.7	90
41	Developments in the field of allergy in 2013 through the eyes of Clinical and Experimental Allergy. Clinical and Experimental Allergy, 2014, 44, 1436-1457.	1.4	0
42	The effects of calcitriol treatment in glucocorticoid-resistant asthma. Journal of Allergy and Clinical Immunology, 2014, 133, 1755-1757.e4.	1.5	29
43	Immunoregulatory mechanisms of vitamin D relevant to respiratory health and asthma. Annals of the New York Academy of Sciences, 2014, 1317, 57-69.	1.8	58
44	Depigmented-polymerised allergoids favour regulatory over effector T cells: enhancement by 1α, 25-dihydroxyvitamin D3. BMC Immunology, 2014, 15, 21.	0.9	8
45	Biology of Lymphocytes. , 2014, , 203-214.		4
46	Activinâ€A is upâ€regulated in severe asthma, attenuates allergic responses and is associated with angiogenesis. Clinical and Translational Allergy, 2013, 3, O4.	1.4	0
47	Enhanced production of IL-17A in patients with severe asthma is inhibited by 1α,25-dihydroxyvitamin D3 in a glucocorticoid-independent fashion. Journal of Allergy and Clinical Immunology, 2013, 132, 297-304.e3.	1.5	159
48	Vitamin D and Regulatory T Cells. , 2012, , 85-101.		0
49	Glucocorticosteroids Are Potential Confounders in Studies of Vitamin D and Asthma: Reply. American Journal of Respiratory and Critical Care Medicine, 2012, 185, 1245-1246.	2.5	1
50	Vitamin D and lung disease. Thorax, 2012, 67, 1018-1020.	2.7	79
51	Vitamin D and Asthma in Children. Paediatric Respiratory Reviews, 2012, 13, 236-243.	1.2	72
52	The role of 1α,25â€dihydroxyvitamin <scp>D</scp> 3 and cytokines in the promotion of distinct <scp>F</scp> oxp3 <sup>+</sup> and <scp>IL</scp> â€10 <sup>+</sup> <scp>CD</scp> 4 <sup>+</sup> <scp>T</scp> cells. European Journal of Immunology, 2012, 42, 2697-2708.	1.6	170
53	Vitamin D binding protein and asthma severity in children. Journal of Allergy and Clinical Immunology, 2012, 129, 1669-1671.	1.5	15
54	Serum 25-dihydroxyvitamin D levels correlate with CD4+Foxp3+ T-cell numbers in moderate/severe asthma. Journal of Allergy and Clinical Immunology, 2012, 130, 542-544.	1.5	49

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55	1α,25-Dihydroxyvitamin D3 promotes CD200 expression by human peripheral and airway-resident T cells. Thorax, 2012, 67, 574-581.	2.7	26
56	A randomized placeboâ€controlled trial of rush preseasonal depigmented polymerized grass pollen immunotherapy*. Allergy: European Journal of Allergy and Clinical Immunology, 2012, 67, 272-279.	2.7	59
57	<scp>T</scp> cells producing the antiâ€inflammatory cytokine <scp>IL</scp> â€10 regulate allergenâ€specific <scp>T</scp> h2 responses in human airways. Allergy: European Journal of Allergy and Clinical Immunology, 2012, 67, 1007-1013.	2.7	23
58	A direct role for vitamin D-binding protein in the pathogenesis of COPD?. Thorax, 2011, 66, 189-190.	2.7	12
59	The Impact of Vitamin D on Regulatory T Cells. Current Allergy and Asthma Reports, 2011, 11, 29-36.	2.4	182
60	Comprehensive genetic assessment of a functional TLR9 promoter polymorphism: no replicable association with asthma or asthma-related phenotypes. BMC Medical Genetics, 2011, 12, 26.	2.1	25
61	Relationship between Serum Vitamin D, Disease Severity, and Airway Remodeling in Children with Asthma. American Journal of Respiratory and Critical Care Medicine, 2011, 184, 1342-1349.	2.5	284
62	A novel technique to explore the functions of bronchial mucosal T cells in chronic obstructive pulmonary disease: application to cytotoxicity and cytokine immunoreactivity. Clinical and Experimental Immunology, 2010, 161, 560-569.	1.1	13
63	Asthma and allergy: The early beginnings. Nature Medicine, 2010, 16, 274-275.	15.2	18
64	Regulatory T cells, inflammation and the allergic response—The role of glucocorticoids and Vitamin D. Journal of Steroid Biochemistry and Molecular Biology, 2010, 120, 86-95.	1.2	128
65	Dendritic Cells, Macrophages and Monocytes in Allergic Disease. , 2009, , 195-207.		1
66	Vitamin D, the immune system and asthma. Expert Review of Clinical Immunology, 2009, 5, 693-702.	1.3	119
67	Vitamin D and Asthma. American Journal of Respiratory and Critical Care Medicine, 2009, 179, 739-740.	2.5	35
68	Regulatory T cells in bronchial asthma. Allergy: European Journal of Allergy and Clinical Immunology, 2009, 64, 335-347.	2.7	55
69	Counter regulation of the high affinity IgE receptor, FcεRI, on human airway dendritic cells by ILâ€4 and ILâ€10. Allergy: European Journal of Allergy and Clinical Immunology, 2009, 64, 1602-1607.	2.7	14
70	Regulatory T Cells in Asthma. Immunity, 2009, 31, 438-449.	6.6	314
71		3.9	158

T Cells in Allergic Disease. , 2009, , 135-149.

## CATHERINE HAWRYLOWICZ

#	Article	IF	CITATIONS
73	Strategies for use of ILâ€10 or its antagonists in human disease. Immunological Reviews, 2008, 223, 114-131.	2.8	383
74	Role of cysteinyl leukotrienes in human allergenâ€specific Th2 responses induced by granulocyte macrophageâ€colony stimulating factor. Allergy: European Journal of Allergy and Clinical Immunology, 2008, 63, 168-175.	2.7	17
75	The glucocorticoid receptor β isoform can mediate transcriptional repression by recruiting histone deacetylases. Journal of Allergy and Clinical Immunology, 2008, 121, 203-208.e1.	1.5	70
76	Regulatory T Cells in Allergic Disease. , 2008, , 355-378.		0
77	Plasmacytoid Dendritic Cells from Human Lung Cancer Draining Lymph Nodes Induce Tc1 Responses. American Journal of Respiratory Cell and Molecular Biology, 2007, 36, 360-367.	1.4	29
78	Regulatory T cell therapy as individualized medicine for asthma and allergy. Current Opinion in Allergy and Clinical Immunology, 2007, 7, 535-541.	1.1	37
79	T regulatory cells and the control of allergic disease. Expert Opinion on Biological Therapy, 2006, 6, 121-133.	1.4	62
80	Vitamin D3 in inflammatory airway disease and immunosuppression. Drug Discovery Today Disease Mechanisms, 2006, 3, 91-97.	0.8	5
81	Regulatory T cells in human disease and their potential for therapeutic manipulation. Immunology, 2006, 118, 1-9.	2.0	114
82	Interleukin-10-Secreting regulatory T cells in allergy and asthma. Current Allergy and Asthma Reports, 2006, 6, 363-371.	2.4	33
83	Targeting the dendritic cell: the key to immunotherapy in cancer?. Clinical and Experimental Immunology, 2005, 139, 395-397.	1.1	7
84	Potential role of interleukin-10-secreting regulatory T cells in allergy and asthma. Nature Reviews Immunology, 2005, 5, 271-283.	10.6	598
85	Regulatory T cells and IL-10 in allergic inflammation. Journal of Experimental Medicine, 2005, 202, 1459-1463.	4.2	153
86	Interleukin-10–Secreting "Regulatory―T Cells Induced by Glucocorticoids and β2-Agonists. American Journal of Respiratory Cell and Molecular Biology, 2005, 33, 105-111.	1.4	100
87	Repression of Interleukin-5 Transcription by the Glucocorticoid Receptor Targets GATA3 Signaling and Involves Histone Deacetylase Recruitment. Journal of Biological Chemistry, 2005, 280, 23243-23250.	1.6	66
88	Functional plasticity of human respiratory tract dendritic cells: GM-CSF enhances TH2 development. Journal of Allergy and Clinical Immunology, 2005, 116, 1136-1143.	1.5	33
89	Reversing the defective induction of IL-10-secreting regulatory T cells in glucocorticoid-resistant asthma patients. Journal of Clinical Investigation, 2005, 116, 146-155.	3.9	511
90	Glucocorticoid-resistant asthma. Clinical and Experimental Allergy Reviews, 2004, 4, 200-204.	0.3	2

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91	Impaired secretion of interleukin-4 and interleukin-13 by allergen-specific T cells correlates with defective nuclear expression of NF-AT2 and jun B: relevance to immunotherapy. Clinical and Experimental Allergy, 2003, 33, 1209-1215.	1.4	30
92	In Vitro Generation of Interleukin 10–producing Regulatory CD4+ T Cells Is Induced by Immunosuppressive Drugs and Inhibited by T Helper Type 1 (Th1)– and Th2-inducing Cytokines. Journal of Experimental Medicine, 2002, 195, 603-616.	4.2	1,069
93	A defect in corticosteroid-induced IL-10 production in T lymphocytes from corticosteroid-resistant asthmatic patients. Journal of Allergy and Clinical Immunology, 2002, 109, 369.	1.5	117
94	CXCR4 expression on monocytes is up-regulated by dexamethasone and is modulated by autologous CD3+ T cells. Immunology, 2002, 105, 155-162.	2.0	40
95	Monocytes and macrophages - friend or foe?. Clinical and Experimental Allergy Reviews, 2001, 1, 85-88.	0.3	0
96	Discussion session II: Inflammation. Clinical and Experimental Allergy Reviews, 2001, 1, 96-101.	0.3	0
97	Glucocorticoids drive human CD8+ T cell differentiation towards a phenotype with high IL-10 and reduced IL-4, IL-5 and IL-13 production. European Journal of Immunology, 2000, 30, 2344-2354.	1.6	122
98	MYCOPHENOLIC ACID-INDUCED GTP DEPLETION ALSO AFFECTS ATP AND PYRIMIDINE SYNTHESIS IN MITOGEN-STIMULATED PRIMARY HUMAN T-LYMPHOCYTES1. Transplantation, 2000, 69, 890-897.	0.5	42
99	Regulation of major histocompatibility complex class II antigens on human alveolar macrophages by granulocyte-macrophage colony-stimulating factor in the presence of glucocorticoids. Immunology, 1999, 98, 104-110.	2.0	23
100	Methotrexate inhibits the first committed step of purine biosynthesis in mitogen-stimulated human T-lymphocytes: a metabolic basis for efficacy in rheumatoid arthritis?. Biochemical Journal, 1999, 342, 143-152.	1.7	91
101	Methotrexate inhibits the first committed step of purine biosynthesis in mitogen-stimulated human T-lymphocytes: a metabolic basis for efficacy in rheumatoid arthritis?. Biochemical Journal, 1999, 342, 143.	1.7	30
102	Methotrexate inhibits the first committed step of purine biosynthesis in mitogen-stimulated human T-lymphocytes: a metabolic basis for efficacy in rheumatoid arthritis?. Biochemical Journal, 1999, 342 () Tj ETQqC	Ο <b>Ω7</b> gBT	Overlock 10
103	Dendritic cells from HIV-1-infected patients naturally express HIV-1 gp120 V3 loop-derived peptide ligands. European Journal of Immunology, 1998, 28, 3144-3153.	1.6	3
104	Leflunomide Inhibits Pyrimidine de Novo Synthesis in Mitogen-stimulated T-lymphocytes from Healthy Humans. Journal of Biological Chemistry, 1998, 273, 21682-21691.	1.6	233
105	GM-CSF increases the ability of cultured macrophages to support autologous CD4+ T-cell proliferation in response to Dermatophagoides pteronyssinus and PPD antigen. Immunology, 1997, 92, 123-130.	2.0	13
106	A Mutation in the Interferon-γ –Receptor Gene and Susceptibility to Mycobacterial Infection. New England Journal of Medicine, 1996, 335, 1941-1949.	13.9	1,124
107	T-cell receptor peptides that inhibit the T-cell response to allergen induce transforming growth factor-β production. Journal of Allergy and Clinical Immunology, 1996, 97, 707-709.	1.5	6
108	Inhibition of human T-cell responses to house dust mite allergens by a T-cell receptor peptide. Journal of Allergy and Clinical Immunology, 1994, 94, 844-852.	1.5	24

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109	Dexamethasone up-regulates granulocyte-macrophage colony-stimulating factor receptor expression on human monocytes. Immunology, 1994, 83, 274-80.	2.0	39
110	Synergy between dexamethasone and interleukin-5 for the induction of major histocompatibility complex class II expression by human peripheral blood eosinophils. Blood, 1994, 84, 2733-40.	0.6	12
111	Viewpoint: A Potential Role for Platelet Derived Cytokines in the Inflammatory Response. Platelets, 1993, 4, 1-10.	1.1	17
112	Synergism of glucocorticoids with granulocyte macrophage colony stimulating factor (GM-CSF) but not interferon gamma (IFN-γ) or interleukin-4 (IL-4) on induction of HLA class II expression on human monocytes. Cytokine, 1992, 4, 287-297.	1.4	22
113	Platelet-derived interleukin 1 induces human endothelial adhesion molecule expression and cytokine production Journal of Experimental Medicine, 1991, 174, 785-790.	4.2	210
114	Interleukin 7 is a growth factor for mature human T cells. European Journal of Immunology, 1990, 20, 425-428.	1.6	74
115	Regulation of antigen presentation. II. Anti-Ig and IL-2 induce IL-1 production by murine splenic B cells. Journal of Immunology, 1989, 142, 3361-8.	0.4	8
116	Activated platelets express IL-1 activity. Journal of Immunology, 1989, 143, 4015-8.	0.4	94
117	T helper cell subsets require the expression of distinct costimulatory signals by antigen-presenting cells Proceedings of the National Academy of Sciences of the United States of America, 1988, 85, 8181-8185.	3.3	212
118	Regulation of antigen-presentation-I. IFN-gamma induces antigen-presenting properties on B cells. Journal of Immunology, 1988, 141, 4083-8.	0.4	37
119	Activation and proliferation signals in mouse B cells. VI. Anti-Ig antibodies induce dose-dependent cell cycle progression in B cells. Immunology, 1985, 55, 411-8.	2.0	19
120	Cell-cycle control in lymphocyte stimulation. Trends in Immunology, 1984, 5, 15-19.	7.5	71
121	Activation and proliferation signals in mouse B cells I. A comparison of the capacity of anti-Ig antibodies or phorbol myristic acetate to activate B cells from CBA/N or normal mice into G1. European Journal of Immunology, 1984, 14, 244-250.	1.6	51
122	Activation and proliferation signals in mouse B cells II. Evidence for activation (G0 to G1) signals differing in sensitivity to cyclosporine. European Journal of Immunology, 1984, 14, 250-254.	1.6	44
123	Effects of tumour promoter phorbol myristate acetate on mouse lymphocytes: selective inhibition of B cell activation by mitogens and antigens. Immunology, 1984, 51, 327-32.	2.0	24
124	Activation and proliferation signals in mouse B cells. III. Intact (IGG) anti-immunoglobulin antibodies activate B cells but inhibit induction of DNA synthesis. Immunology, 1984, 53, 693-701.	2.0	45
125	Activation and proliferation signals in mouse B cells. IV. Concanavalin A stimulates B cells to leave GO, but not to proliferate. Immunology, 1984, 53, 703-11.	2.0	31
126	Human spleen cells mediating natural killing: Altered natural cytotoxicity of spleen effector cells from patients with carcinoma. Journal of Cancer Research and Clinical Oncology, 1983, 106, 202-209.	1.2	4

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127	Depressed spontaneous natural killing and interferon augmentation in patients with malignant lymphoma. European Journal of Cancer & Clinical Oncology, 1982, 18, 1081-1088.	0.9	30