

# Penelope Anne Morel

## List of Publications by Year in descending order

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Version: 2024-02-01

87  
papers

5,745  
citations

81743

39  
h-index

76769

74  
g-index

90  
all docs

90  
docs citations

90  
times ranked

6807  
citing authors

#	ARTICLE	IF	CITATIONS
1	COVID-19 virtual patient cohort suggests immune mechanisms driving disease outcomes. PLoS Pathogens, 2021, 17, e1009753.	2.1	61
2	Proinflammatory TH17 cytokine activation, disease severity and outcomes in peripartum cardiomyopathy. International Journal of Cardiology, 2021, 339, 93-98.	0.8	4
3	Breastfeeding, Cellular Immune Activation, and Myocardial Recovery in Peripartum Cardiomyopathy. JACC Basic To Translational Science, 2019, 4, 291-300.	1.9	24
4	Differential T cell receptor signals for T helper cell programming. Immunology, 2018, 155, 63-71.	2.0	19
5	Circulating T-Cell Subsets, Monocytes, and Natural Killer Cells in Peripartum Cardiomyopathy: Results From the Multicenter IPAC Study. Journal of Cardiac Failure, 2018, 24, 33-42.	0.7	15
6	TCR Signal Strength Regulates Akt Substrate Specificity To Induce Alternate Murine Th and T Regulatory Cell Differentiation Programs. Journal of Immunology, 2017, 199, 589-597.	0.4	41
7	Demystifying the cytokine network: Mathematical models point the way. Cytokine, 2017, 98, 115-123.	1.4	32
8	Reductionism Is Dead: Long Live Reductionism! Systems Modeling Needs Reductionist Experiments. Biophysical Journal, 2016, 110, 1681-1683.	0.2	5
9	Oxidative Stress-induced Inhibition of Sirt1 by Caveolin-1 Promotes p53-dependent Premature Senescence and Stimulates the Secretion of Interleukin 6 (IL-6). Journal of Biological Chemistry, 2015, 290, 4202-4214.	1.6	79
10	Dendritic Cell Control of Immune Responses. Frontiers in Immunology, 2015, 6, 42.	2.2	17
11	Cutting Edge: Differential Regulation of PTEN by TCR, Akt, and FoxO1 Controls CD4+ T Cell Fate Decisions. Journal of Immunology, 2015, 194, 4615-4619.	0.4	50
12	In Vivo Quantification of Inflammation in Experimental Autoimmune Encephalomyelitis Rats Using Fluorine-19 Magnetic Resonance Imaging Reveals Immune Cell Recruitment outside the Nervous System. PLoS ONE, 2015, 10, e0140238.	1.1	29
13	An immunology primer for computational modelers. Journal of Pharmacokinetics and Pharmacodynamics, 2014, 41, 389-399.	0.8	3
14	The physician scientist: balancing clinical and research duties. Nature Immunology, 2014, 15, 1092-1094.	7.0	30
15	Modeling the T cell immune response: a fascinating challenge. Journal of Pharmacokinetics and Pharmacodynamics, 2014, 41, 401-413.	0.8	7
16	Low TCR signal strength induces combined expansion of Th2 and regulatory T cell populations that protect mice from the development of type 1 diabetes. Diabetologia, 2014, 57, 1428-1436.	2.9	22
17	Role of NK cells in host defense against pulmonary type A Francisella tularensis infection. Microbes and Infection, 2013, 15, 201-211.	1.0	6
18	The Duration of T Cell Stimulation Is a Critical Determinant of Cell Fate and Plasticity. Science Signaling, 2013, 6, ra97.	1.6	98

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19	Dendritic Cell Subsets in Type 1 Diabetes: Friend or Foe?. <i>Frontiers in Immunology</i> , 2013, 4, 415.	2.2	43
20	Dendritic Cells Promote Macrophage Infiltration and Comprise a Substantial Proportion of Obesity-Associated Increases in CD11c+ Cells in Adipose Tissue and Liver. <i>Diabetes</i> , 2012, 61, 2330-2339.	0.3	177
21	Large Scale Comparison of Innate Responses to Viral and Bacterial Pathogens in Mouse and Macaque. <i>PLoS ONE</i> , 2011, 6, e22401.	1.1	24
22	Hematopoietic cell types: Prototype for a revised cell ontology. <i>Journal of Biomedical Informatics</i> , 2011, 44, 75-79.	2.5	35
23	Dendritic cells and the maintenance of self-tolerance. <i>Immunologic Research</i> , 2011, 50, 124-129.	1.3	28
24	GATA-3 up-regulation in CD8+ T cells as a biomarker of immune dysfunction in systemic sclerosis, resulting in excessive interleukin-13 production. <i>Arthritis and Rheumatism</i> , 2011, 63, 1738-1747.	6.7	47
25	Gene expression analysis of dendritic cells that prevent diabetes in NOD mice: analysis of chemokines and costimulatory molecules. <i>Journal of Leukocyte Biology</i> , 2011, 90, 539-550.	1.5	19
26	The HLA Class II Allele DRB1*1501 Is Over-Represented in Patients with Idiopathic Pulmonary Fibrosis. <i>PLoS ONE</i> , 2011, 6, e14715.	1.1	51
27	T-bet and Eomesodermin Are Required for T Cell-Mediated Antitumor Immune Responses. <i>Journal of Immunology</i> , 2010, 185, 3174-3183.	0.4	157
28	Designing the Optimal Vaccine: the Importance of Cytokines and Dendritic Cells ~!2009-07-02~!2009-12-31~!2010-02-12~!. <i>The Open Vaccine Journal</i> , 2010, 3, 7-17.	0.6	19
29	Dominant Role of Antigen Dose in CD4+Foxp3+ Regulatory T Cell Induction and Expansion. <i>Journal of Immunology</i> , 2009, 183, 4895-4903.	0.4	158
30	In vivo cytometry of antigen-specific T cells using <sup>19</sup> F MRI. <i>Magnetic Resonance in Medicine</i> , 2009, 62, 747-753.	1.9	142
31	Effector CD8+ T cells in systemic sclerosis patients produce abnormally high levels of interleukin-13 associated with increased skin fibrosis. <i>Arthritis and Rheumatism</i> , 2009, 60, 1119-1128.	6.7	99
32	The companions: regulatory T cells and gene therapy. <i>Immunology</i> , 2009, 127, 1-7.	2.0	7
33	Expansion of CD4+ regulatory T cells by BMDC in the absence of exogenous IL-2 and TGF-β <sup>2</sup> is determined by the strength of the TCR signal. <i>FASEB Journal</i> , 2008, 22, 1073.6.	0.2	0
34	IFN-γ <sup>3</sup> Negatively Regulates CpG-Induced IL-10 in Bone Marrow-Derived Dendritic Cells. <i>Journal of Immunology</i> , 2007, 178, 211-218.	0.4	30
35	Naturally Occurring Regulatory T Cells: Recent Insights in Health and Disease. <i>Critical Reviews in Immunology</i> , 2007, 27, 61-95.	1.0	68
36	Fluorine-19 MRI for visualization and quantification of cell migration in a diabetes model. <i>Magnetic Resonance in Medicine</i> , 2007, 58, 725-734.	1.9	242

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37	New Insights into Mathematical Modeling of the Immune System. <i>Immunologic Research</i> , 2006, 36, 157-166.	1.3	15
38	Dendritic Cell Immunotherapy for Autoimmune Diabetes. <i>Immunologic Research</i> , 2006, 36, 167-174.	1.3	16
39	HLA polymorphisms in African Americans with idiopathic inflammatory myopathy: Allelic profiles distinguish patients with different clinical phenotypes and myositis autoantibodies. <i>Arthritis and Rheumatism</i> , 2006, 54, 3670-3681.	6.7	78
40	Immunogenetic Risk and Protective Factors for the Idiopathic Inflammatory Myopathies. <i>Medicine (United States)</i> , 2006, 85, 111-127.	0.4	140
41	Fc $\gamma$ RIIIa, Not Fc $\gamma$ RIIIb, Is Constitutively and Functionally Expressed on Skin-Derived Human Mast Cells. <i>Journal of Immunology</i> , 2006, 177, 694-701.	0.4	124
42	Immunogenetic Risk and Protective Factors for the Idiopathic Inflammatory Myopathies. <i>Medicine (United States)</i> , 2005, 84, 338-349.	0.4	92
43	In vivo imaging platform for tracking immunotherapeutic cells. <i>Nature Biotechnology</i> , 2005, 23, 983-987.	9.4	579
44	Impaired IL-4 production by CD8+ T $\gamma$ cells in NOD mice is related to a defect of c-Maf binding to the IL-4 promoter. <i>European Journal of Immunology</i> , 2005, 35, 1408-1417.	1.6	16
45	Polarization of naive T cells into Th1 or Th2 by distinct cytokine-driven murine dendritic cell populations: implications for immunotherapy. <i>Journal of Leukocyte Biology</i> , 2005, 78, 656-664.	1.5	85
46	In Vivo Imaging of Autoimmune Disease in Model Systems. <i>Current Topics in Developmental Biology</i> , 2005, 70, 215-238.	1.0	2
47	Co-aggregation of Fc $\gamma$ RII with Fc $\gamma$ RI on Human Mast Cells Inhibits Antigen-induced Secretion and Involves SHIP-Grb2-Dok Complexes. <i>Journal of Biological Chemistry</i> , 2004, 279, 35139-35149.	1.6	104
48	Qualitative and quantitative abnormalities in splenic dendritic cell populations in NOD mice. <i>Clinical and Experimental Immunology</i> , 2004, 135, 209-218.	1.1	57
49	Fc $\gamma$ R expression on NK cells influences disease severity in rheumatoid arthritis. <i>Genes and Immunity</i> , 2004, 5, 521-529.	2.2	26
50	DNA immunisation: altering the cellular localisation of expressed protein and the immunisation route allows manipulation of the immune response. <i>Vaccine</i> , 2004, 22, 447-456.	1.7	44
51	Receptor-mediated endocytosis of iron-oxide particles provides efficient labeling of dendritic cells for in vivo MR imaging. <i>Magnetic Resonance in Medicine</i> , 2003, 49, 1006-1013.	1.9	168
52	Dendritic cells, T cell tolerance and therapy of adverse immune reactions. <i>Clinical and Experimental Immunology</i> , 2003, 133, 1-10.	1.1	74
53	Dendritic Cells Mediate NK Cell Help for Th1 and CTL Responses: Two-Signal Requirement for the Induction of NK Cell Helper Function. <i>Journal of Immunology</i> , 2003, 171, 2366-2373.	0.4	326
54	Dendritic Cells Transduced to Express Interleukin-4 Prevent Diabetes in Nonobese Diabetic Mice with Advanced Insulinitis. <i>Human Gene Therapy</i> , 2003, 14, 13-23.	1.4	76

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55	Regulatory Th2 response induced following adoptive transfer of dendritic cells in prediabetic NOD mice. <i>European Journal of Immunology</i> , 2002, 32, 2021.	1.6	98
56	Allelic polymorphisms in the Fc $\gamma$ RIIC gene can influence its function on normal human natural killer cells. <i>Journal of Molecular Medicine</i> , 2002, 80, 248-257.	1.7	83
57	Phenotypic and Functional Characteristics of BM-Derived DC from NOD and Non-Diabetes-Prone Strains. <i>Clinical Immunology</i> , 2001, 98, 133-142.	1.4	72
58	How do dendritic cells prevent autoimmunity?. <i>Trends in Immunology</i> , 2001, 22, 546-547.	2.9	12
59	Fc $\gamma$ RIIc 13Q/STP polymorphism influences the antibody-dependent cytotoxicity levels triggered by natural killer cells against pig aortic endothelial cells. <i>Transplantation Proceedings</i> , 2001, 33, 333.	0.3	5
60	Identification of the CD32/Fc $\gamma$ RIIc-Q13/STP13 polymorphism using an allele-specific restriction enzyme digestion assay. <i>Journal of Immunological Methods</i> , 2001, 258, 85-95.	0.6	14
61	Prevention of Diabetes in the NOD Mouse by a Th1 Clone Specific for a hsp60 Peptide. <i>Journal of Autoimmunity</i> , 2000, 14, 133-142.	3.0	12
62	Negative regulation of Fc $\gamma$ RI signaling by Fc $\gamma$ RII costimulation in human blood basophils. <i>Journal of Allergy and Clinical Immunology</i> , 2000, 106, 337-348.	1.5	131
63	Functional CD32 Molecules on Human NK Cells. <i>Leukemia and Lymphoma</i> , 1999, 35, 47-56.	0.6	33
64	Immunotherapy of NOD mice with bone marrow-derived dendritic cells. <i>Diabetes</i> , 1999, 48, 2300-2308.	0.3	175
65	Ligand binding specificities and signal transduction pathways of Fc $\gamma$ receptor IIc isoforms: the CD32 isoforms expressed by human NK cells. <i>European Journal of Immunology</i> , 1999, 29, 2842-2852.	1.6	25
66	Two types of cmv-specific memory responses in lung transplant recipients. <i>Transplantation Proceedings</i> , 1999, 31, 173-174.	0.3	1
67	Immunobiology of DC in NOD mice. <i>Journal of Leukocyte Biology</i> , 1999, 66, 276-280.	1.5	39
68	HLA and clinical associations in systemic sclerosis patients with anti-Th/To antibodies. <i>Arthritis and Rheumatism</i> , 1998, 41, 74-80.	6.7	39
69	Clinical significance of CMV-specific T helper responses in lung transplant recipients. <i>Human Immunology</i> , 1998, 59, 768-775.	1.2	25
70	Crossregulation Between Th1 and Th2 Cells. <i>Critical Reviews in Immunology</i> , 1998, 18, 275-303.	1.0	173
71	Expression of Functional CD32 Molecules on Human NK Cells Is Determined by an Allelic Polymorphism of the Fc $\gamma$ RIIC Gene. <i>Blood</i> , 1998, 91, 2369-2380.	0.6	112
72	Mathematical modeling of immunological reactions. <i>Frontiers in Bioscience - Landmark</i> , 1998, 3, d338-347.	3.0	20

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73	Expression of Functional CD32 Molecules on Human NK Cells Is Determined by an Allelic Polymorphism of the FcγRIIC Gene. <i>Blood</i> , 1998, 91, 2369-2380.	0.6	8
74	Modeling the Proliferative Response of T Cells to IL-2 and IL-4. <i>Cellular Immunology</i> , 1997, 178, 42-52.	1.4	32
75	Functional consequences of the binding of MHC class II-derived peptides to MHC class II. <i>International Immunology</i> , 1996, 8, 1857-1865.	1.8	8
76	Making sense of the combined effect of interleukin-2 and interleukin-4 on lymphocytes using a mathematical model. <i>Bulletin of Mathematical Biology</i> , 1996, 58, 569-594.	0.9	15
77	Making sense of the combined effect of interleukin-2 and interleukin-4 on lymphocytes using a mathematical model. <i>Bulletin of Mathematical Biology</i> , 1996, 58, 569-594.	0.9	1
78	HLA and ethnic associations among systemic sclerosis patients with anticentromere antibodies. <i>Human Immunology</i> , 1995, 42, 35-42.	1.2	31
79	Severe systemic sclerosis with anti-topoisomerase I Antibodies is associated with an HLA-DRw11 allele. <i>Human Immunology</i> , 1994, 40, 101-110.	1.2	48
80	A DUAL MECHANISM OF IMMUNOSUPPRESSION BY FK-506 DIFFERENTIAL SUPPRESSION OF IL-4 AND IL-10 LEVELS IN T HELPER 2 CELLS. <i>Transplantation</i> , 1993, 56, 978-984.	0.5	28
81	Mathematical Modeling of Th1-Th2 Dynamics. , 1992, , 171-190.		4
82	Proto-Oncogene Transcription after Activation of Th-1 and Th-2 Cells. <i>Annals of the New York Academy of Sciences</i> , 1991, 636, 386-389.	1.8	0
83	Shared molecular markers of genetic predisposition to seropositive rheumatoid arthritis. <i>Human Immunology</i> , 1990, 27, 90-99.	1.2	21
84	A new look at the shared epitope hypothesis. <i>American Journal of Medicine</i> , 1988, 85, 20-22.	0.6	58
85	Aspartic acid at position 57 of the HLA-DQ beta chain protects against type I diabetes: a family study.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1988, 85, 8111-8115.	3.3	371
86	Correlation of T cell receptor V beta gene family with MHC restriction.. <i>Journal of Experimental Medicine</i> , 1987, 166, 583-588.	4.2	89
87	A possible role for idiotypic interactions in the pathogenesis of immune complex glomerulonephritis. <i>Transplantation Proceedings</i> , 1982, 14, 543-6.	0.3	4