

Penelope Anne Morel

List of Publications by Year in descending order

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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	In vivo imaging platform for tracking immunotherapeutic cells. <i>Nature Biotechnology</i> , 2005, 23, 983-987.	9.4	579
2	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
3	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
4	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
5	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
6	Immunotherapy of NOD mice with bone marrow-derived dendritic cells. <i>Diabetes</i> , 1999, 48, 2300-2308.	0.3	175
7	Crossregulation Between Th1 and Th2 Cells. <i>Critical Reviews in Immunology</i> , 1998, 18, 275-303.	1.0	173
8	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
9	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
10	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
11	In vivo cytometry of antigen-specific t cells using ¹⁹ F MRI. <i>Magnetic Resonance in Medicine</i> , 2009, 62, 747-753.	1.9	142
12	Immunogenetic Risk and Protective Factors for the Idiopathic Inflammatory Myopathies. <i>Medicine (United States)</i> , 2006, 85, 111-127.	0.4	140
13	Negative regulation of Fc̳RI signaling by Fc̳RII costimulation in human blood basophils. <i>Journal of Allergy and Clinical Immunology</i> , 2000, 106, 337-348.	1.5	131
14	Fc̳RIIa, Not Fc̳RIIb, Is Constitutively and Functionally Expressed on Skin-Derived Human Mast Cells. <i>Journal of Immunology</i> , 2006, 177, 694-701.	0.4	124
15	Expression of Functional CD32 Molecules on Human NK Cells Is Determined by an Allelic Polymorphism of the Fc̳RIIC Gene. <i>Blood</i> , 1998, 91, 2369-2380.	0.6	112
16	Co-aggregation of Fc̳RII with Fc̳RI 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
17	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
18	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

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19	The Duration of T Cell Stimulation Is a Critical Determinant of Cell Fate and Plasticity. <i>Science Signaling</i> , 2013, 6, ra97.	1.6	98
20	Immunogenetic Risk and Protective Factors for the Idiopathic Inflammatory Myopathies. <i>Medicine (United States)</i> , 2005, 84, 338-349.	0.4	92
21	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
22	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
23	Allelic polymorphisms in the Fc̳RIIC gene can influence its function on normal human natural killer cells. <i>Journal of Molecular Medicine</i> , 2002, 80, 248-257.	1.7	83
24	Oxidative Stress-induced Inhibition of Sirt1 by Caveolin-1 Promotes p53-dependent Premature Senescence and Stimulates the Secretion of Interleukin 6 (IL-6). <i>Journal of Biological Chemistry</i> , 2015, 290, 4202-4214.	1.6	79
25	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
26	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
27	Dendritic cells, T cell tolerance and therapy of adverse immune reactions. <i>Clinical and Experimental Immunology</i> , 2003, 133, 1-10.	1.1	74
28	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
29	Naturally Occurring Regulatory T Cells: Recent Insights in Health and Disease. <i>Critical Reviews in Immunology</i> , 2007, 27, 61-95.	1.0	68
30	COVID-19 virtual patient cohort suggests immune mechanisms driving disease outcomes. <i>PLoS Pathogens</i> , 2021, 17, e1009753.	2.1	61
31	A new look at the shared epitope hypothesis. <i>American Journal of Medicine</i> , 1988, 85, 20-22.	0.6	58
32	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
33	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
34	Cutting Edge: Differential Regulation of PTEN by TCR, Akt, and FoxO1 Controls CD4+ T Cell Fate Decisions. <i>Journal of Immunology</i> , 2015, 194, 4615-4619.	0.4	50
35	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
36	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

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37	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
38	Dendritic Cell Subsets in Type 1 Diabetes: Friend or Foe?. <i>Frontiers in Immunology</i> , 2013, 4, 415.	2.2	43
39	TCR Signal Strength Regulates Akt Substrate Specificity To Induce Alternate Murine Th and T Regulatory Cell Differentiation Programs. <i>Journal of Immunology</i> , 2017, 199, 589-597.	0.4	41
40	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
41	Immunobiology of DC in NOD mice. <i>Journal of Leukocyte Biology</i> , 1999, 66, 276-280.	1.5	39
42	Hematopoietic cell types: Prototype for a revised cell ontology. <i>Journal of Biomedical Informatics</i> , 2011, 44, 75-79.	2.5	35
43	Functional CD32 Molecules on Human NK Cells. <i>Leukemia and Lymphoma</i> , 1999, 35, 47-56.	0.6	33
44	Modeling the Proliferative Response of T Cells to IL-2 and IL-4. <i>Cellular Immunology</i> , 1997, 178, 42-52.	1.4	32
45	Demystifying the cytokine network: Mathematical models point the way. <i>Cytokine</i> , 2017, 98, 115-123.	1.4	32
46	HLA and ethnic associations among systemic sclerosis patients with anticentromere antibodies. <i>Human Immunology</i> , 1995, 42, 35-42.	1.2	31
47	IFN- γ Negatively Regulates CpG-Induced IL-10 in Bone Marrow-Derived Dendritic Cells. <i>Journal of Immunology</i> , 2007, 178, 211-218.	0.4	30
48	The physician scientist: balancing clinical and research duties. <i>Nature Immunology</i> , 2014, 15, 1092-1094.	7.0	30
49	In Vivo Quantification of Inflammation in Experimental Autoimmune Encephalomyelitis Rats Using Fluorine-19 Magnetic Resonance Imaging Reveals Immune Cell Recruitment outside the Nervous System. <i>PLoS ONE</i> , 2015, 10, e0140238.	1.1	29
50	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
51	Dendritic cells and the maintenance of self-tolerance. <i>Immunologic Research</i> , 2011, 50, 124-129.	1.3	28
52	Fc γ R expression on NK cells influences disease severity in rheumatoid arthritis. <i>Genes and Immunity</i> , 2004, 5, 521-529.	2.2	26
53	Clinical significance of CMV-specific T helper responses in lung transplant recipients. <i>Human Immunology</i> , 1998, 59, 768-775.	1.2	25
54	Ligand binding specificities and signal transduction pathways of Fc γ receptor IIc isoforms: the CD32 isoforms expressed by human NK cells. <i>European Journal of Immunology</i> , 1999, 29, 2842-2852.	1.6	25

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55	Large Scale Comparison of Innate Responses to Viral and Bacterial Pathogens in Mouse and Macaque. PLoS ONE, 2011, 6, e22401.	1.1	24
56	Breastfeeding, Cellular Immune Activation, and Myocardial Recovery in Peripartum Cardiomyopathy. JACC Basic To Translational Science, 2019, 4, 291-300.	1.9	24
57	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
58	Shared molecular markers of genetic predisposition to seropositive rheumatoid arthritis. Human Immunology, 1990, 27, 90-99.	1.2	21
59	Mathematical modeling of immunological reactions. Frontiers in Bioscience - Landmark, 1998, 3, d338-347.	3.0	20
60	Gene expression analysis of dendritic cells that prevent diabetes in NOD mice: analysis of chemokines and costimulatory molecules. Journal of Leukocyte Biology, 2011, 90, 539-550.	1.5	19
61	Differential T cell receptor signals for T helper cell programming. Immunology, 2018, 155, 63-71.	2.0	19
62	Designing the Optimal Vaccine: the Importance of Cytokines and Dendritic Cells -!2009-07-02~!2009-12-31~!2010-02-12~!. The Open Vaccine Journal, 2010, 3, 7-17.	0.6	19
63	Dendritic Cell Control of Immune Responses. Frontiers in Immunology, 2015, 6, 42.	2.2	17
64	Impaired IL-4 production by CD8+ T cells in NOD mice is related to a defect of c-Maf binding to the IL-4 promoter. European Journal of Immunology, 2005, 35, 1408-1417.	1.6	16
65	Dendritic Cell Immunotherapy for Autoimmune Diabetes. Immunologic Research, 2006, 36, 167-174.	1.3	16
66	Making sense of the combined effect of interleukin-2 and interleukin-4 on lymphocytes using a mathematical model. Bulletin of Mathematical Biology, 1996, 58, 569-594.	0.9	15
67	New Insights into Mathematical Modeling of the Immune System. Immunologic Research, 2006, 36, 157-166.	1.3	15
68	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
69	Identification of the CD32/FcγRIIc-Q13/STP13 polymorphism using an allele-specific restriction enzyme digestion assay. Journal of Immunological Methods, 2001, 258, 85-95.	0.6	14
70	Prevention of Diabetes in the NOD Mouse by a Th1 Clone Specific for a hsp60 Peptide. Journal of Autoimmunity, 2000, 14, 133-142.	3.0	12
71	How do dendritic cells prevent autoimmunity?. Trends in Immunology, 2001, 22, 546-547.	2.9	12
72	Functional consequences of the binding of MHC class II-derived peptides to MHC class II. International Immunology, 1996, 8, 1857-1865.	1.8	8

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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	The companions: regulatory T cells and gene therapy. <i>Immunology</i> , 2009, 127, 1-7.	2.0	7
75	Modeling the T cell immune response: a fascinating challenge. <i>Journal of Pharmacokinetics and Pharmacodynamics</i> , 2014, 41, 401-413.	0.8	7
76	Role of NK cells in host defense against pulmonary type A <i>Francisella tularensis</i> infection. <i>Microbes and Infection</i> , 2013, 15, 201-211.	1.0	6
77	FcγRIIc 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
78	Reductionism Is Dead: Long Live Reductionism! Systems Modeling Needs Reductionist Experiments. <i>Biophysical Journal</i> , 2016, 110, 1681-1683.	0.2	5
79	Proinflammatory TH17 cytokine activation, disease severity and outcomes in peripartum cardiomyopathy. <i>International Journal of Cardiology</i> , 2021, 339, 93-98.	0.8	4
80	Mathematical Modeling of Th1-Th2 Dynamics. , 1992, , 171-190.		4
81	A possible role for idiotypic interactions in the pathogenesis of immune complex glomerulonephritis. <i>Transplantation Proceedings</i> , 1982, 14, 543-6.	0.3	4
82	An immunology primer for computational modelers. <i>Journal of Pharmacokinetics and Pharmacodynamics</i> , 2014, 41, 389-399.	0.8	3
83	In Vivo Imaging of Autoimmune Disease in Model Systems. <i>Current Topics in Developmental Biology</i> , 2005, 70, 215-238.	1.0	2
84	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
85	Two types of cmv-specific memory responses in lung transplant recipients. <i>Transplantation Proceedings</i> , 1999, 31, 173-174.	0.3	1
86	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
87	Expansion of CD4+ regulatory T cells by BMDC in the absence of exogenous IL-2 and TGFβ ² is determined by the strength of the TCR signal. <i>FASEB Journal</i> , 2008, 22, 1073.6.	0.2	0