Barbara Fazekas de St Groth

List of Publications by Year
in descending order

118	12,334	66343	24982
papers	citations	42 h-index	109 g-index

124	124	124	13316
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	CD127 expression inversely correlates with FoxP3 and suppressive function of human CD4+ T reg cells. Journal of Experimental Medicine, 2006, 203, 1701-1711.	8.5	2,292
2	Expression of interleukin (IL)-2 and IL-7 receptors discriminates between human regulatory and activated T cells. Journal of Experimental Medicine, 2006, 203, 1693-1700.	8.5	1,354
3	The presence of interleukin 4 during in vitro priming determines the lymphokine-producing potential of CD4+ T cells from T cell receptor transgenic mice.. Journal of Experimental Medicine, 1992, 176, 1091-1098.	8.5	968
4	Cellular and genetic mechanisms of self tolerance and autoimmunity. Nature, 2005, 435, 590-597.	27.8	586
5	Mapping T-cell receptorâ€“peptide contacts by variant peptide immunization of single-chain transgenics. Nature, 1992, 355, 224-230.	27.8	512
6	Systemic Increase in the Ratio between Foxp3+ and IL-17-Producing CD4+ T Cells in Healthy Pregnancy but Not in Preeclampsia. Journal of Immunology, 2009, 183, 7023-7030.	0.8	425
7	Cutaneous immunosurveillance and regulation of inflammation by group 2 innate lymphoid cells. Nature Immunology, 2013, 14, 564-573.	14.5	410
8	Antigen/MHC-specific T cells are preferentially exported from the thymus in the presence of their MHC ligand. Cell, 1989, 58, 1035-1046.	28.9	378
9	Low affinity interaction of peptide-MHC complexes with T cell receptors. Science, 1991, 254, 1788-1791.	12.6	344
10	Distinct roles for lymphotoxin-Î± and tumor necrosis factor in organogenesis and spatial organization of lymphoid tissue. European Journal of Immunology, 1997, 27, 2600-2609.	2.9	305
11	Cutaneous immunosurveillance by self-renewing dermal Î³Î´ T cells. Journal of Experimental Medicine, 2011, 208, 505-518.	8.5	248
12	Persistence of naive CD45RA+ regulatory T cells in adult life. Blood, 2006, 107, 2830-2838.	1.4	246
13	Condensation of the plasma membrane at the site of T lymphocyte activation. Journal of Cell Biology, 2005, 171, 121-131.	5.2	228
14	Antigen-Specific Primary Activation of CD8+ T Cells Within the Liver. Journal of Immunology, 2001, 166, 5430-5438.	0.8	192
15	Induction of Rapid T Cell Activation, Division, and Recirculation by Intratracheal Injection of Dendritic Cells in a TCR Transgenic Model. Journal of Immunology, 2000, 164, 2937-2946.	0.8	170
16	The evolution of self-tolerance: a new cell arises to meet the challenge of self-reactivity. Trends in Immunology, 1998, 19, 448-454.	7.5	167
17	Langerhans cells are precommitted to immune tolerance induction. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 18049-18054.	7.1	150
18	Antigen-pulsed CD8Î±+ Dendritic Cells Generate an Immune Response after Subcutaneous Injection without Homing to the Draining Lymph Node. Journal of Experimental Medicine, 1999, 189, 593-598.	8.5	149

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19	Phenotypic differences between Î±Î² versus Î² T-cell receptor transgenic mice undergoing negative selection. Nature, 1989, 340, 559-562.	27.8	148
20	Interleukin 4 suppresses interleukin 2 and interferon gamma production by naive T cells stimulated by accessory cell-dependent receptor engagement.. Proceedings of the National Academy of Sciences of the United States of America, 1993, 90, 5914-5918.	7.1	135
21	Clonal cytotoxic T cells are expanded in myeloma and reside in the CD8+CD57+CD28â^' compartment. Blood, 2001, 98, 2817-2827.	1.4	131
22	IL-2 is a critical regulator of group 2 innate lymphoid cell function during pulmonary inflammation. Journal of Allergy and Clinical Immunology, 2015, 136, 1653-1663.e7.	2.9	123
23	Visualizing T Cell Competition for Peptide/MHC Complexes. Immunity, 2000, 13, 783-794.	14.3	102
24	Epidermal and Dermal Dendritic Cells Display Differential Activation and Migratory Behavior While Sharing the Ability to Stimulate CD4+ T Cell Proliferation In Vivo. Journal of Immunology, 2008, 181, 418-430.	0.8	91
25	Immunotherapyâ€induced sarcoidosis in patients with melanoma treated with <scp>PD</scp>â€1 checkpoint inhibitors: Case series and immunophenotypic analysis. International Journal of Rheumatic Diseases, 2017, 20, 1277-1285.	1.9	89
26	Infection of CD127 + (Interleukin-7 Receptor +) CD4 + Cells and Overexpression of CTLA-4 Are Linked to Loss of Antigen-Specific CD4 T Cells during Primary Human Immunodeficiency Virus Type 1 Infection. Journal of Virology, 2006, 80, 10162-10172.	3.4	84
27	Death by neglect as a deletional mechanism of peripheral tolerance. International Immunology, 1999, 11, 1225-1238.	4.0	83
28	Cytokine-dependent bystander hepatitis due to intrahepatic murine CD8+ T-cell activation by bone marrowâ€“derived cells. Gastroenterology, 2002, 123, 1252-1264.	1.3	82
29	Outer Periarteriolar Lymphoid Sheath Arrest and Subsequent Differentiation of Both Naive and Tolerant Immunoglobulin Transgenic B Cells Is Determined by B Cell Receptor Occupancy. Journal of Experimental Medicine, 1997, 186, 631-643.	8.5	75
30	IL-23 costimulates antigen-specific MAIT cell activation and enables vaccination against bacterial infection. Science Immunology, 2019, 4, .	11.9	75
31	Coaggregation of the T-cell receptor with CD4 and other T-cell surface molecules enhances T-cell activation.. Proceedings of the National Academy of Sciences of the United States of America, 1987, 84, 9209-9213.	7.1	73
32	Selective Treg reconstitution during lymphopenia normalizes DC costimulation and prevents graft-versus-host disease. Journal of Clinical Investigation, 2015, 125, 3627-3641.	8.2	70
33	Antigen Load Governs the Differential Priming of CD8 T Cells in Response to the Bacille Calmette Guerin Vaccine or Mycobacterium tuberculosis Infection. Journal of Immunology, 2009, 182, 7172-7177.	0.8	66
34	Regulatory T cells in HIV infection: pathogenic or protective participants in the immune response?. Aids, 2008, 22, 671-683.	2.2	65
35	Regulatory roles of IL-10â€“producing human follicular T cells. Journal of Experimental Medicine, 2019, 216, 1843-1856.	8.5	62
36	Expression of T-cell receptor alpha-chain genes in transgenic mice.. Molecular and Cellular Biology, 1988, 8, 5459-5469.	2.3	59

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37	Accelerated age-dependent transition of human regulatory T cells to effector memory phenotype. International Immunology, 2008, 20, 375-383.	4.0	54
38	Carboxyfluorescein diacetate succinimidyl ester and the virgin lymphocyte: A marriage made in heaven. Immunology and Cell Biology, 1999, 77, 530-538.	2.3	52
39	Visualizing dendritic cell migration within the skin. Histochemistry and Cell Biology, 2008, 130, 1131-1146.	1.7	52
40	Anti-PD-1-induced high-grade hepatitis associated with corticosteroid-resistant T cells: a case report. Cancer Immunology, Immunotherapy, 2018, 67, 563-573.	4.2	50
41	CD326loCD103loCD11blo Dermal Dendritic Cells Are Activated by Thymic Stromal Lymphopoietin during Contact Sensitization in Mice. Journal of Immunology, 2014, 193, 2504-2511.	0.8	49
42	The Avidity Spectrum of â€‰T Cell Receptor Interactions Accounts for T Cell Anergy in a Double Transgenic Model. Journal of Experimental Medicine, 1999, 189, 265-278.	8.5	46
43	Mass Cytometry for the Assessment of Immune Reconstitution After Hematopoietic Stem Cell Transplantation. Frontiers in Immunology, 2018, 9, 1672.	4.8	46
44	Metabolite-based dietary supplementation in human type 1 diabetes is associated with microbiota and immune modulation. Microbiome, 2022, 10, 9.	11.1	46
45	Rescue of self-reactive B cells by provision of T cell helpin vivo. European Journal of Immunology, 1998, 28, 2549-2558.	2.9	42
46	Evidence for a Domain-Swapped CD4 Dimer as the Coreceptor for Binding to Class II MHC. Journal of Immunology, 2006, 176, 6873-6878.	0.8	42
47	T cell activation: in vivo veritas. Immunology and Cell Biology, 2004, 82, 260-268.	2.3	41
48	Improved Protection against Disseminated Tuberculosis byMycobacterium bovisBacillus Calmette-GuÃ©rin Secreting Murine GM-CSF Is Associated with Expansion and Activation of APCs. Journal of Immunology, 2007, 179, 8418-8424.	0.8	41
49	CD4 and CD8 molecules can physically associate with the same T-cell receptor.. Proceedings of the National Academy of Sciences of the United States of America, 1989, 86, 10044-10048.	7.1	38
50	Bystander Activation of CD8 + T Lymphocytes during Experimental Mycobacterial Infection. Infection and Immunity, 2004, 72, 6884-6891.	2.2	38
51	EZH2 as a mediator of treatment resistance in melanoma. Pigment Cell and Melanoma Research, 2016, 29, 500-507.	3.3	37
52	Abelson virus transformation of an interleukin 2-dependent antigen-specific T-cell line.. Molecular and Cellular Biology, 1987, 7, 2631-2635.	2.3	36
53	The Analysis of CD83 Expression on Human Immune Cells Identifies a Unique CD83+-Activated T Cell Population. Journal of Immunology, 2016, 197, 4613-4625.	0.8	34
54	Tumourâ€specific CD4 T cells eradicate melanoma via indirect recognition of tumourâ€derived antigen. Immunology and Cell Biology, 2016, 94, 593-603.	2.3	34

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55	Expansion and activation of distinct central memory T lymphocyte subsets in complex regional pain syndrome. Journal of Neuroinflammation, 2019, 16, 63.	7.2	34
56	Phenotype and functions of conventional dendritic cells are not compromised in aged mice. Immunology and Cell Biology, 2012, 90, 722-732.	2.3	31
57	Effects of DNA- and Mycobacterium bovis BCG-Based Delivery of the Flt3 Ligand on Protective Immunity to Mycobacterium tuberculosis. Infection and Immunity, 2007, 75, 5368-5375.	2.2	30
58	Clonal Cytotoxic T Cells in Myeloma. Leukemia and Lymphoma, 2003, 44, 1667-1674.	1.3	29
59	Flow Cytometric Detection of Human Regulatory T Cells. Methods in Molecular Biology, 2011, 707, 263-279.	0.9	29
60	Immunotherapy with Costimulatory Dendritic Cells To Control Autoimmune Inflammation. Journal of Immunology, 2011, 187, 4018-4030.	0.8	29
61	Pro- and anti-tumour effects of B cells and antibodies in cancer: a comparison of clinical studies and preclinical models. Cancer Immunology, Immunotherapy, 2016, 65, 885-896.	4.2	24
62	A blood dendritic cell vaccine for acute myeloid leukemia expands anti-tumor T cell responses at remission. OncoImmunology, 2018, 7, e1419114.	4.6	24
63	Inflammation and Oral Contraceptive Use in Female Athletes Before the Rio Olympic Games. Frontiers in Physiology, 2020, 11, 497.	2.8	24
64	Regulatory Tâ€cell abnormalities and the global epidemic of immunoâ€inflammatory disease. Immunology and Cell Biology, 2012, 90, 256-259.	2.3	22
65	Pretreatment Innate Cell Populations and CD4 T Cells in Blood Are Associated With Response to Immune Checkpoint Blockade in Melanoma Patients. Frontiers in Immunology, 2020, 11, 372.	4.8	20
66	Effects of storage time and temperature on highly multiparametric flow analysis of peripheral blood samples; implications for clinical trial samples. Bioscience Reports, 2021, 41, .	2.4	20
67	CD80 Costimulation Is Required for Th2 Cell Cytokine Production But Not for Antigen-Specific Accumulation and Migration into the Lung. Journal of Immunology, 2001, 166, 4908-4914.	0.8	19
68	Severely Impaired Clonal Deletion of CD4+ T Cells in Low-Dose Irradiated Mice: Role of T Cell Antigen Receptor and IL-7 Receptor Signals. Journal of Immunology, 2006, 177, 8320-8330.	0.8	19
69	Special regulatory T-cell review: T-cell dependent suppression revisited. Immunology, 2008, 123, 33-39.	4.4	19
70	High-Dimensional Mass Cytometric Analysis Reveals an Increase in Effector Regulatory T Cells as a Distinguishing Feature of Colorectal Tumors. Journal of Immunology, 2019, 202, 1871-1884.	0.8	19
71	Singleâ€Cell Immune Profiling in Coronary Artery Disease: The Role of Stateâ€ofâ€theâ€Art Immunophenotyping With Mass Cytometry in the Diagnosis of Atherosclerosis. Journal of the American Heart Association, 2020, 9, e017759.	3.7	19
72	DCs and peripheral T cell tolerance. Seminars in Immunology, 2001, 13, 311-321.	5.6	18

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73	Dependency of Direct Pathway CD4+ T Cells on CD40-CD154 Costimulation Is Determined by Nature and Microenvironment of Primary Contact with Alloantigen. Journal of Immunology, 2004, 172, 2163-2170.	0.8	18
74	Mass Cytometry Discovers Two Discrete Subsets of CD39â"Treg Which Discriminate MGUS From Multiple Myeloma. Frontiers in Immunology, 2019, 10, 1596.	4.8	18
75	Mass cytometry reveals immune signatures associated with cytomegalovirus (CMV) control in recipients of allogeneic haemopoietic stem cell transplant and CMVâ€specific T cells. Clinical and Translational Immunology, 2020, 9, e1149.	3.8	18
76	Induction of memory and effector suppressor T cells by perinatal exposure to antigen. European Journal of Immunology, 1984, 14, 228-235.	2.9	17
77	High-affinity interleukin 2 binding by an oncogenic hybrid interleukin 2-epidermal growth factor receptor molecule.. Proceedings of the National Academy of Sciences of the United States of America, 1987, 84, 2125-2129.	7.1	17
78	Mapping the extent of heterogeneity of human CCR5+ CD4+ T cells in peripheral blood and lymph nodes. Aids, 2020, 34, 833-848.	2.2	17
79	Inverse relationship between oligoclonal expanded CD69â" TTE and CD69+ TTE cells in bone marrow of multiple myeloma patients. Blood Advances, 2020, 4, 4593-4604.	5.2	16
80	Influence of B cell receptor ligation and TCR affinity on T-B collaborationin vitro. European Journal of Immunology, 1998, 28, 4037-4049.	2.9	15
81	Collaboration between tumor-specific CD4+ T cells and B cells in anti-cancer immunity. Oncotarget, 2016, 7, 30211-30229.	1.8	15
82	Stable expression of Lyt-2 homodimers on L3T4+T cell clones. European Journal of Immunology, 1986, 16, 1413-1417.	2.9	13
83	Pembrolizumab for anaplastic thyroid cancer: a case study. Cancer Immunology, Immunotherapy, 2019, 68, 1921-1934.	4.2	13
84	Pediatric Burn Survivors Have Long-Term Immune Dysfunction With Diminished Vaccine Response. Frontiers in Immunology, 2020, 11, 1481.	4.8	13
85	Stable and Highly Efficient Antibodyâ€"Nanoparticles Conjugation. Bioconjugate Chemistry, 2021, 32, 1146-1155.	3.6	13
86	Balancing Tolerance and Immunity. Methods in Molecular Biology, 2007, 380, 25-46.	0.9	13
87	Rapidly expanded partially HLA DRB1â€"matched fungus-specific T cells mediate in vitro and in vivo antifungal activity. Blood Advances, 2020, 4, 3443-3456.	5.2	12
88	P Cell Stimulating Factor Release: A Useful Assay of T Cell Activation in vitro. International Archives of Allergy and Immunology, 1986, 79, 169-177.	2.1	10
89	Prediction of High Affinity Class I-restricted Multiple Myeloma Idiotype Peptide Epitopes. Leukemia and Lymphoma, 2003, 44, 1557-1568.	1.3	10
90	The Role of T Cells in the Regulation of B Cell Tolerance. International Reviews of Immunology, 1997, 15, 73-99.	3.3	9

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91	Experimental models to investigate the function of dendritic cell subsets: challenges and implications. Clinical and Experimental Immunology, 2013, 171, 147-154.	2.6	9
92	Prediction of High Affinity Class I-restricted Multiple Myeloma Idiotype Peptide Epitopes. Leukemia and Lymphoma, 2003, 44, 1557-1568.	1.3	9
93	TCR deep sequencing of transgenic RAG-1-deficient mice reveals endogenous TCR recombination: a cause for caution. Immunology and Cell Biology, 2018, 96, 642-645.	2.3	8
94	Widespread alterations in the peripheral blood innate immune cell profile in cystic fibrosis reflect lung pathology. Immunology and Cell Biology, 2019, 97, 416-426.	2.3	8
95	Distinguishing human peripheral blood CD16 + myeloid cells based on phenotypic characteristics. Journal of Leukocyte Biology, 2020, 107, 323-339.	3.3	8
96	Role of Dendritic Cells in Induction of Tolerance and Immunity in Vivo. Advances in Experimental Medicine and Biology, 1997, 417, 255-263.	1.6	8
97	Immunoprofiling reveals cell subsets associated with the trajectory of cytomegalovirus reactivation post stem cell transplantation. Nature Communications, 2022, 13, 2603.	12.8	8
98	Regulation of the immune response â€“ lessons from transgenic models. Australian and New Zealand Journal of Medicine, 1995, 25, 761-767.	0.5	7
99	A Systems Biology Approach to the Analysis of Subset-Specific Responses to Lipopolysaccharide in Dendritic Cells. PLoS ONE, 2014, 9, e100613.	2.5	7
100	Probiotic supplementation has little effect on peripheral blood regulatory TÂcells. Journal of Allergy and Clinical Immunology, 2016, 138, 1749-1752.e7.	2.9	7
101	Oral supplementation with bovine whey-derived Ig-rich fraction and lactoferrin improves SCORAD and DLQI in atopic dermatitis. Journal of Dermatological Science, 2017, 85, 143-146.	1.9	7
102	An Analysis of T Cell Receptorâ€“Ligand Interaction Using a Transgenic Antigen Model for T Cell Tolerance and T Cell Receptor Mutagenesis. , 1993, , 123-127.		7
103	Experimental models linking dendritic cell lineage, phenotype and function. Immunology and Cell Biology, 2002, 80, 469-476.	2.3	6
104	The effects of IL-2 and Treg cells on dendritic cell homeostasis are mediated indirectly via activation of conventional T cells. European Journal of Immunology, 2015, 45, 1141-1147.	2.9	5
105	Titration of Mass Cytometry Reagents. Methods in Molecular Biology, 2019, 1989, 83-92.	0.9	5
106	T lymphocyte and monocyte subsets are dysregulated in type 1 diabetes patients with peripheral neuropathic pain. Brain, Behavior, & Immunity - Health, 2021, 15, 100283.	2.5	5
107	Brick plots: an intuitive platform for visualizing multiparametric immunophenotyped cell clusters. BMC Bioinformatics, 2020, 21, 145.	2.6	4
108	Tissue localization and frequency of antigenâ€specific effector CD4 + T cells determines the development of allergic airway inflammation. Immunology and Cell Biology, 2005, 83, 490-497.	2.3	3

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109	Regulatory Tâ€cell function: When suppressor cells can't suppress. Immunology and Cell Biology, 2007, 85, 179-181.	2.3	3
110	CD73+ CD127high Long-Term Memory CD4 T Cells Are Highly Proliferative in Response to Recall Antigens and Are Early Targets in HIV-1 Infection. International Journal of Molecular Sciences, 2021, 22, 912.	4.1	2
111	Nature versus nurture: Contributions of developmental programming and the microenvironment to B cell tolerance. Immunology and Cell Biology, 1998, 76, 369-372.	2.3	1
112	Accumulation of CD69+ Terminal Effector CD8+ T cells occurs in the bone marrow of newly diagnosed Myeloma patients who lack protective clonal Vb expanded cytotoxic T cells. Clinical Lymphoma, Myeloma and Leukemia, 2019, 19, e29.	0.4	1
113	Association Between CD4+CD25highFoxP3+ T Regulatory Cells And Asthma, Eczema And Atopy In 8 Year Old Children. Journal of Allergy and Clinical Immunology, 2008, 121, S116-S117.	2.9	0
114	Bringing Mass Cytometry Into The Clinic. Pathology, 2019, 51, S52-S53.	0.6	0
115	Activated and Bone-marrow Resident Treg Alterations Underlie Malignant Transformation from MGUS to Multiple Myeloma. Clinical Lymphoma, Myeloma and Leukemia, 2019, 19, e100.	0.4	0
116	The Role of Antigen-Competitive Dynamics in Regulating the Immune Response. Bulletin of Mathematical Biology, 2021, 83, 40.	1.9	0
117	Balancing Tolerance and Immunity: The Role of Dendritic Cell and T Cell Subsets. , 0, , 25-46.		0
118	Influence of B cell receptor ligation and TCR affinity on T-B collaboration in vitro. European Journal of Immunology, 1998, 28, 4037-4049.	2.9	0