

# Barbara Fazekas de St Groth

## List of Publications by Year in descending order

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118  
papers

12,334  
citations

66343

42  
h-index

24982

109  
g-index

124  
all docs

124  
docs citations

124  
times ranked

13316  
citing authors

#	ARTICLE	IF	CITATIONS
1	Metabolite-based dietary supplementation in human type 1 diabetes is associated with microbiota and immune modulation. <i>Microbiome</i> , 2022, 10, 9.	11.1	46
2	Immunoprofiling reveals cell subsets associated with the trajectory of cytomegalovirus reactivation post stem cell transplantation. <i>Nature Communications</i> , 2022, 13, 2603.	12.8	8
3	CD73+ CD127high Long-Term Memory CD4 T Cells Are Highly Proliferative in Response to Recall Antigens and Are Early Targets in HIV-1 Infection. <i>International Journal of Molecular Sciences</i> , 2021, 22, 912.	4.1	2
4	Effects of storage time and temperature on highly multiparametric flow analysis of peripheral blood samples; implications for clinical trial samples. <i>Bioscience Reports</i> , 2021, 41, .	2.4	20
5	The Role of Antigen-Competitive Dynamics in Regulating the Immune Response. <i>Bulletin of Mathematical Biology</i> , 2021, 83, 40.	1.9	0
6	Stable and Highly Efficient Antibody–Nanoparticles Conjugation. <i>Bioconjugate Chemistry</i> , 2021, 32, 1146-1155.	3.6	13
7	T lymphocyte and monocyte subsets are dysregulated in type 1 diabetes patients with peripheral neuropathic pain. <i>Brain, Behavior, &amp; Immunity - Health</i> , 2021, 15, 100283.	2.5	5
8	Distinguishing human peripheral blood CD16 + myeloid cells based on phenotypic characteristics. <i>Journal of Leukocyte Biology</i> , 2020, 107, 323-339.	3.3	8
9	Single-Cell Immune Profiling in Coronary Artery Disease: The Role of State-of-the-Art Immunophenotyping With Mass Cytometry in the Diagnosis of Atherosclerosis. <i>Journal of the American Heart Association</i> , 2020, 9, e017759.	3.7	19
10	Pediatric Burn Survivors Have Long-Term Immune Dysfunction With Diminished Vaccine Response. <i>Frontiers in Immunology</i> , 2020, 11, 1481.	4.8	13
11	Rapidly expanded partially HLA DRB1-matched fungus-specific T cells mediate in vitro and in vivo antifungal activity. <i>Blood Advances</i> , 2020, 4, 3443-3456.	5.2	12
12	Inverse relationship between oligoclonal expanded CD69 <sup>hi</sup> TTE and CD69 <sup>+</sup> TTE cells in bone marrow of multiple myeloma patients. <i>Blood Advances</i> , 2020, 4, 4593-4604.	5.2	16
13	Inflammation and Oral Contraceptive Use in Female Athletes Before the Rio Olympic Games. <i>Frontiers in Physiology</i> , 2020, 11, 497.	2.8	24
14	Pretreatment Innate Cell Populations and CD4 T Cells in Blood Are Associated With Response to Immune Checkpoint Blockade in Melanoma Patients. <i>Frontiers in Immunology</i> , 2020, 11, 372.	4.8	20
15	Mass cytometry reveals immune signatures associated with cytomegalovirus (CMV) control in recipients of allogeneic haemopoietic stem cell transplant and CMV-specific T cells. <i>Clinical and Translational Immunology</i> , 2020, 9, e1149.	3.8	18
16	Mapping the extent of heterogeneity of human CCR5+ CD4+ T cells in peripheral blood and lymph nodes. <i>Aids</i> , 2020, 34, 833-848.	2.2	17
17	Brick plots: an intuitive platform for visualizing multiparametric immunophenotyped cell clusters. <i>BMC Bioinformatics</i> , 2020, 21, 145.	2.6	4
18	Mass Cytometry Discovers Two Discrete Subsets of CD39 <sup>hi</sup> Treg Which Discriminate MGUS From Multiple Myeloma. <i>Frontiers in Immunology</i> , 2019, 10, 1596.	4.8	18

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19	Pembrolizumab for anaplastic thyroid cancer: a case study. <i>Cancer Immunology, Immunotherapy</i> , 2019, 68, 1921-1934.	4.2	13
20	Regulatory roles of IL-10-producing human follicular T cells. <i>Journal of Experimental Medicine</i> , 2019, 216, 1843-1856.	8.5	62
21	Titration of Mass Cytometry Reagents. <i>Methods in Molecular Biology</i> , 2019, 1989, 83-92.	0.9	5
22	Expansion and activation of distinct central memory T lymphocyte subsets in complex regional pain syndrome. <i>Journal of Neuroinflammation</i> , 2019, 16, 63.	7.2	34
23	High-Dimensional Mass Cytometric Analysis Reveals an Increase in Effector Regulatory T Cells as a Distinguishing Feature of Colorectal Tumors. <i>Journal of Immunology</i> , 2019, 202, 1871-1884.	0.8	19
24	Bringing Mass Cytometry Into The Clinic. <i>Pathology</i> , 2019, 51, S52-S53.	0.6	0
25	IL-23 costimulates antigen-specific MAIT cell activation and enables vaccination against bacterial infection. <i>Science Immunology</i> , 2019, 4, .	11.9	75
26	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. <i>Clinical Lymphoma, Myeloma and Leukemia</i> , 2019, 19, e29.	0.4	1
27	Activated and Bone-marrow Resident Treg Alterations Underlie Malignant Transformation from MGUS to Multiple Myeloma. <i>Clinical Lymphoma, Myeloma and Leukemia</i> , 2019, 19, e100.	0.4	0
28	Widespread alterations in the peripheral blood innate immune cell profile in cystic fibrosis reflect lung pathology. <i>Immunology and Cell Biology</i> , 2019, 97, 416-426.	2.3	8
29	TCR deep sequencing of transgenic RAG-1-deficient mice reveals endogenous TCR recombination: a cause for caution. <i>Immunology and Cell Biology</i> , 2018, 96, 642-645.	2.3	8
30	A blood dendritic cell vaccine for acute myeloid leukemia expands anti-tumor T cell responses at remission. <i>Oncotimmunology</i> , 2018, 7, e1419114.	4.6	24
31	Anti-PD-1-induced high-grade hepatitis associated with corticosteroid-resistant T cells: a case report. <i>Cancer Immunology, Immunotherapy</i> , 2018, 67, 563-573.	4.2	50
32	Mass Cytometry for the Assessment of Immune Reconstitution After Hematopoietic Stem Cell Transplantation. <i>Frontiers in Immunology</i> , 2018, 9, 1672.	4.8	46
33	Immunotherapy-induced sarcoidosis in patients with melanoma treated with PD-1 checkpoint inhibitors: Case series and immunophenotypic analysis. <i>International Journal of Rheumatic Diseases</i> , 2017, 20, 1277-1285.	1.9	89
34	Oral supplementation with bovine whey-derived Ig-rich fraction and lactoferrin improves SCORAD and DLQI in atopic dermatitis. <i>Journal of Dermatological Science</i> , 2017, 85, 143-146.	1.9	7
35	Pro- and anti-tumour effects of B cells and antibodies in cancer: a comparison of clinical studies and preclinical models. <i>Cancer Immunology, Immunotherapy</i> , 2016, 65, 885-896.	4.2	24
36	EZH2 as a mediator of treatment resistance in melanoma. <i>Pigment Cell and Melanoma Research</i> , 2016, 29, 500-507.	3.3	37

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37	Probiotic supplementation has little effect on peripheral blood regulatory T cells. <i>Journal of Allergy and Clinical Immunology</i> , 2016, 138, 1749-1752.e7.	2.9	7
38	The Analysis of CD83 Expression on Human Immune Cells Identifies a Unique CD83 <sup>+</sup> -Activated T Cell Population. <i>Journal of Immunology</i> , 2016, 197, 4613-4625.	0.8	34
39	Tumour-specific CD4 T cells eradicate melanoma via indirect recognition of tumour-derived antigen. <i>Immunology and Cell Biology</i> , 2016, 94, 593-603.	2.3	34
40	Collaboration between tumor-specific CD4 <sup>+</sup> T cells and B cells in anti-cancer immunity. <i>Oncotarget</i> , 2016, 7, 30211-30229.	1.8	15
41	IL-2 is a critical regulator of group 2 innate lymphoid cell function during pulmonary inflammation. <i>Journal of Allergy and Clinical Immunology</i> , 2015, 136, 1653-1663.e7.	2.9	123
42	The effects of IL-2 and Treg cells on dendritic cell homeostasis are mediated indirectly via activation of conventional T cells. <i>European Journal of Immunology</i> , 2015, 45, 1141-1147.	2.9	5
43	Selective Treg reconstitution during lymphopenia normalizes DC costimulation and prevents graft-versus-host disease. <i>Journal of Clinical Investigation</i> , 2015, 125, 3627-3641.	8.2	70
44	A Systems Biology Approach to the Analysis of Subset-Specific Responses to Lipopolysaccharide in Dendritic Cells. <i>PLoS ONE</i> , 2014, 9, e100613.	2.5	7
45	CD326 <sup>lo</sup> CD103 <sup>lo</sup> CD11b <sup>lo</sup> Dermal Dendritic Cells Are Activated by Thymic Stromal Lymphopoietin during Contact Sensitization in Mice. <i>Journal of Immunology</i> , 2014, 193, 2504-2511.	0.8	49
46	Cutaneous immunosurveillance and regulation of inflammation by group 2 innate lymphoid cells. <i>Nature Immunology</i> , 2013, 14, 564-573.	14.5	410
47	Experimental models to investigate the function of dendritic cell subsets: challenges and implications. <i>Clinical and Experimental Immunology</i> , 2013, 171, 147-154.	2.6	9
48	Phenotype and functions of conventional dendritic cells are not compromised in aged mice. <i>Immunology and Cell Biology</i> , 2012, 90, 722-732.	2.3	31
49	Regulatory T cell abnormalities and the global epidemic of immunoinflammatory disease. <i>Immunology and Cell Biology</i> , 2012, 90, 256-259.	2.3	22
50	Flow Cytometric Detection of Human Regulatory T Cells. <i>Methods in Molecular Biology</i> , 2011, 707, 263-279.	0.9	29
51	Immunotherapy with Costimulatory Dendritic Cells To Control Autoimmune Inflammation. <i>Journal of Immunology</i> , 2011, 187, 4018-4030.	0.8	29
52	Cutaneous immunosurveillance by self-renewing dermal T <sub>H</sub> 17 T cells. <i>Journal of Experimental Medicine</i> , 2011, 208, 505-518.	8.5	248
53	Langerhans cells are precommitted to immune tolerance induction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 18049-18054.	7.1	150
54	Antigen Load Governs the Differential Priming of CD8 T Cells in Response to the Bacille Calmette Guérin Vaccine or Mycobacterium tuberculosis Infection. <i>Journal of Immunology</i> , 2009, 182, 7172-7177.	0.8	66

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55	Systemic Increase in the Ratio between Foxp3+ and IL-17-Producing CD4+ T Cells in Healthy Pregnancy but Not in Preeclampsia. <i>Journal of Immunology</i> , 2009, 183, 7023-7030.	0.8	425
56	Visualizing dendritic cell migration within the skin. <i>Histochemistry and Cell Biology</i> , 2008, 130, 1131-1146.	1.7	52
57	Special regulatory T-cell review: T-cell dependent suppression revisited. <i>Immunology</i> , 2008, 123, 33-39.	4.4	19
58	Association Between CD4+CD25highFoxP3+ T Regulatory Cells And Asthma, Eczema And Atopy In 8 Year Old Children. <i>Journal of Allergy and Clinical Immunology</i> , 2008, 121, S116-S117.	2.9	0
59	Accelerated age-dependent transition of human regulatory T cells to effector memory phenotype. <i>International Immunology</i> , 2008, 20, 375-383.	4.0	54
60	Regulatory T cells in HIV infection: pathogenic or protective participants in the immune response?. <i>Aids</i> , 2008, 22, 671-683.	2.2	65
61	Epidermal and Dermal Dendritic Cells Display Differential Activation and Migratory Behavior While Sharing the Ability to Stimulate CD4+ T Cell Proliferation In Vivo. <i>Journal of Immunology</i> , 2008, 181, 418-430.	0.8	91
62	Improved Protection against Disseminated Tuberculosis by <i>Mycobacterium bovis</i> Bacillus Calmette-Guérin Secreting Murine GM-CSF Is Associated with Expansion and Activation of APCs. <i>Journal of Immunology</i> , 2007, 179, 8418-8424.	0.8	41
63	Effects of DNA- and <i>Mycobacterium bovis</i> BCG-Based Delivery of the Flt3 Ligand on Protective Immunity to <i>Mycobacterium tuberculosis</i> . <i>Infection and Immunity</i> , 2007, 75, 5368-5375.	2.2	30
64	Regulatory T cell function: When suppressor cells can't suppress. <i>Immunology and Cell Biology</i> , 2007, 85, 179-181.	2.3	3
65	Balancing Tolerance and Immunity. <i>Methods in Molecular Biology</i> , 2007, 380, 25-46.	0.9	13
66	CD127 expression inversely correlates with FoxP3 and suppressive function of human CD4+ T reg cells. <i>Journal of Experimental Medicine</i> , 2006, 203, 1701-1711.	8.5	2,292
67	Expression of interleukin (IL)-2 and IL-7 receptors discriminates between human regulatory and activated T cells. <i>Journal of Experimental Medicine</i> , 2006, 203, 1693-1700.	8.5	1,354
68	Persistence of naive CD45RA+ regulatory T cells in adult life. <i>Blood</i> , 2006, 107, 2830-2838.	1.4	246
69	Severely Impaired Clonal Deletion of CD4+ T Cells in Low-Dose Irradiated Mice: Role of T Cell Antigen Receptor and IL-7 Receptor Signals. <i>Journal of Immunology</i> , 2006, 177, 8320-8330.	0.8	19
70	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. <i>Journal of Virology</i> , 2006, 80, 10162-10172.	3.4	84
71	Evidence for a Domain-Swapped CD4 Dimer as the Coreceptor for Binding to Class II MHC. <i>Journal of Immunology</i> , 2006, 176, 6873-6878.	0.8	42
72	Tissue localization and frequency of antigen-specific effector CD4 + T cells determines the development of allergic airway inflammation. <i>Immunology and Cell Biology</i> , 2005, 83, 490-497.	2.3	3

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73	Cellular and genetic mechanisms of self tolerance and autoimmunity. <i>Nature</i> , 2005, 435, 590-597.	27.8	586
74	Condensation of the plasma membrane at the site of T lymphocyte activation. <i>Journal of Cell Biology</i> , 2005, 171, 121-131.	5.2	228
75	Bystander Activation of CD8 + T Lymphocytes during Experimental Mycobacterial Infection. <i>Infection and Immunity</i> , 2004, 72, 6884-6891.	2.2	38
76	Dependency of Direct Pathway CD4+ T Cells on CD40-CD154 Costimulation Is Determined by Nature and Microenvironment of Primary Contact with Alloantigen. <i>Journal of Immunology</i> , 2004, 172, 2163-2170.	0.8	18
77	T cell activation: in vivo veritas. <i>Immunology and Cell Biology</i> , 2004, 82, 260-268.	2.3	41
78	Clonal Cytotoxic T Cells in Myeloma. <i>Leukemia and Lymphoma</i> , 2003, 44, 1667-1674.	1.3	29
79	Prediction of High Affinity Class I-restricted Multiple Myeloma Idiotype Peptide Epitopes. <i>Leukemia and Lymphoma</i> , 2003, 44, 1557-1568.	1.3	10
80	Prediction of High Affinity Class I-restricted Multiple Myeloma Idiotype Peptide Epitopes. <i>Leukemia and Lymphoma</i> , 2003, 44, 1557-1568.	1.3	9
81	Cytokine-dependent bystander hepatitis due to intrahepatic murine CD8+ T-cell activation by bone marrow-derived cells. <i>Gastroenterology</i> , 2002, 123, 1252-1264.	1.3	82
82	Experimental models linking dendritic cell lineage, phenotype and function. <i>Immunology and Cell Biology</i> , 2002, 80, 469-476.	2.3	6
83	DCs and peripheral T cell tolerance. <i>Seminars in Immunology</i> , 2001, 13, 311-321.	5.6	18
84	Clonal cytotoxic T cells are expanded in myeloma and reside in the CD8+CD57+CD28 <sup>hi</sup> compartment. <i>Blood</i> , 2001, 98, 2817-2827.	1.4	131
85	CD80 Costimulation Is Required for Th2 Cell Cytokine Production But Not for Antigen-Specific Accumulation and Migration into the Lung. <i>Journal of Immunology</i> , 2001, 166, 4908-4914.	0.8	19
86	Antigen-Specific Primary Activation of CD8+ T Cells Within the Liver. <i>Journal of Immunology</i> , 2001, 166, 5430-5438.	0.8	192
87	Induction of Rapid T Cell Activation, Division, and Recirculation by Intratracheal Injection of Dendritic Cells in a TCR Transgenic Model. <i>Journal of Immunology</i> , 2000, 164, 2937-2946.	0.8	170
88	Visualizing T Cell Competition for Peptide/MHC Complexes. <i>Immunity</i> , 2000, 13, 783-794.	14.3	102
89	Death by neglect as a deletional mechanism of peripheral tolerance. <i>International Immunology</i> , 1999, 11, 1225-1238.	4.0	83
90	The Avidity Spectrum of $\alpha\epsilon$ T Cell Receptor Interactions Accounts for T Cell Energy in a Double Transgenic Model. <i>Journal of Experimental Medicine</i> , 1999, 189, 265-278.	8.5	46

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91	Antigen-pulsed CD8 <sup>+</sup> Dendritic Cells Generate an Immune Response after Subcutaneous Injection without Homing to the Draining Lymph Node. <i>Journal of Experimental Medicine</i> , 1999, 189, 593-598.	8.5	149
92	Carboxyfluorescein diacetate succinimidyl ester and the virgin lymphocyte: A marriage made in heaven. <i>Immunology and Cell Biology</i> , 1999, 77, 530-538.	2.3	52
93	Rescue of self-reactive B cells by provision of T cell helpin vivo. <i>European Journal of Immunology</i> , 1998, 28, 2549-2558.	2.9	42
94	Influence of B cell receptor ligation and TCR affinity on T-B collaborationin vitro. <i>European Journal of Immunology</i> , 1998, 28, 4037-4049.	2.9	15
95	Nature versus nurture: Contributions of developmental programming and the microenvironment to B cell tolerance. <i>Immunology and Cell Biology</i> , 1998, 76, 369-372.	2.3	1
96	The evolution of self-tolerance: a new cell arises to meet the challenge of self-reactivity. <i>Trends in Immunology</i> , 1998, 19, 448-454.	7.5	167
97	Influence of B cell receptor ligation and TCR affinity on T-B collaboration in vitro. <i>European Journal of Immunology</i> , 1998, 28, 4037-4049.	2.9	0
98	Outer Periarteriolar Lymphoid Sheath Arrest and Subsequent Differentiation of Both Naive and Tolerant Immunoglobulin Transgenic B Cells Is Determined by B Cell Receptor Occupancy. <i>Journal of Experimental Medicine</i> , 1997, 186, 631-643.	8.5	75
99	The Role of T Cells in the Regulation of B Cell Tolerance. <i>International Reviews of Immunology</i> , 1997, 15, 73-99.	3.3	9
100	Distinct roles for lymphotoxin- $\alpha$ and tumor necrosis factor in organogenesis and spatial organization of lymphoid tissue. <i>European Journal of Immunology</i> , 1997, 27, 2600-2609.	2.9	305
101	Role of Dendritic Cells in Induction of Tolerance and Immunity in Vivo. <i>Advances in Experimental Medicine and Biology</i> , 1997, 417, 255-263.	1.6	8
102	Regulation of the immune response – lessons from transgenic models. <i>Australian and New Zealand Journal of Medicine</i> , 1995, 25, 761-767.	0.5	7
103	Interleukin 4 suppresses interleukin 2 and interferon gamma production by naive T cells stimulated by accessory cell-dependent receptor engagement.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1993, 90, 5914-5918.	7.1	135
104	An Analysis of T Cell Receptor–Ligand Interaction Using a Transgenic Antigen Model for T Cell Tolerance and T Cell Receptor Mutagenesis. , 1993, , 123-127.		7
105	The presence of interleukin 4 during in vitro priming determines the lymphokine-producing potential of CD4+ T cells from T cell receptor transgenic mice.. <i>Journal of Experimental Medicine</i> , 1992, 176, 1091-1098.	8.5	968
106	Mapping T-cell receptor–peptide contacts by variant peptide immunization of single-chain transgenics. <i>Nature</i> , 1992, 355, 224-230.	27.8	512
107	Low affinity interaction of peptide-MHC complexes with T cell receptors. <i>Science</i> , 1991, 254, 1788-1791.	12.6	344
108	Phenotypic differences between $\alpha\beta$ versus $\beta$ T-cell receptor transgenic mice undergoing negative selection. <i>Nature</i> , 1989, 340, 559-562.	27.8	148

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109	Antigen/MHC-specific T cells are preferentially exported from the thymus in the presence of their MHC ligand. <i>Cell</i> , 1989, 58, 1035-1046.	28.9	378
110	CD4 and CD8 molecules can physically associate with the same T-cell receptor.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1989, 86, 10044-10048.	7.1	38
111	Expression of T-cell receptor alpha-chain genes in transgenic mice.. <i>Molecular and Cellular Biology</i> , 1988, 8, 5459-5469.	2.3	59
112	Abelson virus transformation of an interleukin 2-dependent antigen-specific T-cell line.. <i>Molecular and Cellular Biology</i> , 1987, 7, 2631-2635.	2.3	36
113	Coaggregation of the T-cell receptor with CD4 and other T-cell surface molecules enhances T-cell activation.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1987, 84, 9209-9213.	7.1	73
114	High-affinity interleukin 2 binding by an oncogenic hybrid interleukin 2-epidermal growth factor receptor molecule.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1987, 84, 2125-2129.	7.1	17
115	P Cell Stimulating Factor Release: A Useful Assay of T Cell Activation in vitro. <i>International Archives of Allergy and Immunology</i> , 1986, 79, 169-177.	2.1	10
116	Stable expression of Lyt-2 homodimers on L3T4+T cell clones. <i>European Journal of Immunology</i> , 1986, 16, 1413-1417.	2.9	13
117	Induction of memory and effector suppressor T cells by perinatal exposure to antigen. <i>European Journal of Immunology</i> , 1984, 14, 228-235.	2.9	17
118	Balancing Tolerance and Immunity: The Role of Dendritic Cell and T Cell Subsets. , 0, , 25-46.		0