Alexander Scheffold

List of Publications by Year in descending order

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26630 26613 12,487 127 56 107 citations h-index g-index papers 136 136 136 17730 docs citations times ranked citing authors all docs

#	Article	IF	CITATIONS
1	Guidelines for the use of flow cytometry and cell sorting in immunological studies (second edition). European Journal of Immunology, 2019, 49, 1457-1973.	2.9	766
2	P- and E-selectin mediate recruitment of T-helper-1 but not T-helper-2 cells into inflamed tissues. Nature, 1997, 385, 81-83.	27.8	714
3	Developmental Stage, Phenotype, and Migration Distinguish Naive- and Effector/Memory-like CD4+ Regulatory T Cells. Journal of Experimental Medicine, 2004, 199, 303-313.	8.5	565
4	Guidelines for the use of flow cytometry and cell sorting in immunological studies [*] . European Journal of Immunology, 2017, 47, 1584-1797.	2.9	505
5	Interleukin-2 is essential for CD4+CD25+ regulatory T cell function. European Journal of Immunology, 2004, 34, 2480-2488.	2.9	466
6	Expression of the integrin $\hat{l}_{ identifies unique subsets of CD25 < sup>+ sup> as well as CD25 < sup> and = color of the United States of America, 2002, 99, 13031-13036.$	7.1	438
7	Direct access to CD4+ T cells specific for defined antigens according to CD154 expression. Nature Medicine, 2005, 11, 1118-1124.	30.7	436
8	Human Anti-fungal Th17 Immunity and Pathology Rely on Cross-Reactivity against Candida albicans. Cell, 2019, 176, 1340-1355.e15.	28.9	321
9	Longitudinal Multi-omics Analyses Identify Responses of Megakaryocytes, Erythroid Cells, and Plasmablasts as Hallmarks of Severe COVID-19. Immunity, 2020, 53, 1296-1314.e9.	14.3	278
10	MIP-1Â, MIP-1Â, RANTES, and ATAC/lymphotactin function together with IFN-Â as type 1 cytokines. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 6181-6186.	7.1	275
11	T-cell epitope mapping by flow cytometry. Nature Medicine, 1998, 4, 975-978.	30.7	273
12	Regulatory cell therapy in kidney transplantation (The ONE Study): a harmonised design and analysis of seven non-randomised, single-arm, phase $1/2A$ trials. Lancet, The, 2020, 395, 1627-1639.	13.7	266
13	Low-Avidity CD4+ T Cell Responses to SARS-CoV-2 in Unexposed Individuals and Humans with Severe COVID-19. Immunity, 2020, 53, 1258-1271.e5.	14.3	255
14	Rapid glucocorticoid effects on immune cells. Steroids, 2002, 67, 529-534.	1.8	254
15	Regulatory T Cell Specificity Directs Tolerance versus Allergy against Aeroantigens in Humans. Cell, 2016, 167, 1067-1078.e16.	28.9	253
16	CD14+CD34 ^{low} Cells With Stem Cell Phenotypic and Functional Features Are the Major Source of Circulating Endothelial Progenitors. Circulation Research, 2005, 97, 314-322.	4.5	245
17	Competing feedback loops shape IL-2 signaling between helper and regulatory T lymphocytes in cellular microenvironments. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 3058-3063.	7.1	243
18	Migration matters: regulatory T-cell compartmentalization determines suppressive activity in vivo. Blood, 2005, 106, 3097-3104.	1.4	225

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19	How $\hat{l}\pm\hat{l}^2$ T cells deal with induced TCR $\hat{l}\pm$ ablation. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 8744-8749.	7.1	205
20	Guidelines for the use of flow cytometry and cell sorting in immunological studies (third edition). European Journal of Immunology, 2021, 51, 2708-3145.	2.9	198
21	Membrane glucocorticoid receptors (mGCR) are expressed in normal human peripheral blood mononuclear cells and upâ€regulated after in vitro stimulation and in patients with rheumatoid arthritis. FASEB Journal, 2004, 18, 70-80.	0.5	183
22	Homeostatic imbalance of regulatory and effector T cells due to IL-2 deprivation amplifies murine lupus. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 204-209.	7.1	180
23	Role of Blimp-1 in programing Th effector cells into IL-10 producers. Journal of Experimental Medicine, 2014, 211, 1807-1819.	8.5	161
24	Monitoring regulatory T cells in clinical samples: consensus on an essential marker set and gating strategy for regulatory T cell analysis by flow cytometry. Cancer Immunology, Immunotherapy, 2015, 64, 1271-1286.	4.2	161
25	Antigen-Reactive T Cell Enrichment for Direct, High-Resolution Analysis of the Human Naive and Memory Th Cell Repertoire. Journal of Immunology, 2013, 190, 3967-3976.	0.8	158
26	Regulation of CD4 ⁺ CD25 ⁺ regulatory T cell activity: it takes (ILâ€)two to tango. European Journal of Immunology, 2005, 35, 1336-1341.	2.9	152
27	c-Maf-dependent Treg cell control of intestinal TH17 cells and IgA establishes host–microbiota homeostasis. Nature Immunology, 2019, 20, 471-481.	14.5	138
28	Notch regulates IL-10 production by T helper 1 cells. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 3497-3502.	7.1	136
29	Flowâ€cytometric analysis of rare antigenâ€specific T cells. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2013, 83A, 692-701.	1.5	133
30	Design of siRNAs producing unstructured guide-RNAs results in improved RNA interference efficiency. Nature Biotechnology, 2005, 23, 1440-1444.	17.5	129
31	Immune Responses to Broad-Spectrum Antibiotic Treatment and Fecal Microbiota Transplantation in Mice. Frontiers in Immunology, 2017, 8, 397.	4.8	122
32	The role of regulatory T cells in antigen-induced arthritis: aggravation of arthritis after depletion and amelioration after transfer of CD4+CD25+ T cells. Arthritis Research, 2005, 7, R291.	2.0	116
33	Functional Analysis of Effector and Regulatory T Cells in a Parasitic Nematode Infection. Infection and Immunity, 2008, 76, 1908-1919.	2.2	110
34	Antigen-specific expansion of human regulatory T cells as a major tolerance mechanism against mucosal fungi. Mucosal Immunology, 2014, 7, 916-928.	6.0	110
35	Functions and regulation of T cell-derived interleukin-10. Seminars in Immunology, 2019, 44, 101344.	5.6	110
36	Patients with active inflammatory bowel disease lack immature peripheral blood plasmacytoid and myeloid dendritic cells. Gut, 2005, 54, 228-236.	12.1	108

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37	Fine Tuning and Efficient T Cell Activation with Stimulatory aCD3 Nanoarrays. Nano Letters, 2013, 13, 5090-5097.	9.1	102
38	Sequential production of IL-2, IFN- \hat{I}^3 and IL-10 by individual staphylococcal enterotoxin B-activated T helper lymphocytes. European Journal of Immunology, 1998, 28, 1534-1543.	2.9	101
39	Notch ligands Delta-like1, Delta-like4 and Jagged1 differentially regulate activation of peripheral T helper cells. European Journal of Immunology, 2005, 35, 2443-2451.	2.9	97
40	ILâ€⊋ induces <i>in vivo</i> suppression by CD4 ⁺ CD25 ⁺ Foxp3 ⁺ regulatory T cells. European Journal of Immunology, 2008, 38, 1643-1653.	2.9	96
41	Autoregulation of Th1-mediated inflammation by <i>twist1 </i> . Journal of Experimental Medicine, 2008, 205, 1889-1901.	8.5	96
42	Critical Role of Preconceptional Immunization for Protective and Nonpathological Specific Immunity in Murine Neonates. Journal of Immunology, 2003, 171, 3485-3492.	0.8	95
43	Competition for cytokines: Treg cells take all. Nature Immunology, 2007, 8, 1285-1287.	14.5	82
44	Immunomagnetic cell sorting—pushing the limits. Immunotechnology: an International Journal of Immunological Engineering, 1998, 4, 89-96.	2.4	79
45	Exaggerated inflammatory response of primary human myeloid dendritic cells to lipopolysaccharide in patients with inflammatory bowel disease. Clinical and Experimental Immunology, 2009, 157, 423-436.	2.6	77
46	High-sensitivity immunofluorescence for detection of the pro- and anti-inflammatory cytokines gamma interferon and interleukin-10 on the surface of cytokine-secreting cells. Nature Medicine, 2000, 6, 107-110.	30.7	74
47	Visualization of peptide presentation following oral application of antigen in normal and Peyer's patches-deficient mice. European Journal of Immunology, 2003, 33, 1292-1301.	2.9	73
48	Cutting Edge: Plasmacytoid Dendritic Cells Induce IL-10 Production in T Cells via the Delta-Like-4/Notch Axis. Journal of Immunology, 2010, 184, 550-554.	0.8	71
49	Specific expression of surface interferon- \hat{l}^3 on interferon- \hat{l}^3 producing T cells from mouse and man. European Journal of Immunology, 1996, 26, 263-267.	2.9	67
50	Human immature myeloid dendritic cells trigger a TH2-polarizing program via Jagged-1/Notch interaction. Journal of Allergy and Clinical Immunology, 2008, 121, 1000-1005.e8.	2.9	66
51	siRNA stabilization prolongs gene knockdown in primary T lymphocytes. European Journal of Immunology, 2008, 38, 2616-2625.	2.9	65
52	Mesenteric fatâ€"control site for bacterial translocation in colitis?. Mucosal Immunology, 2012, 5, 580-591.	6.0	65
53	Origin and functional activity of the membrane-bound glucocorticoid receptor. Arthritis and Rheumatism, 2011, 63, 3779-3788.	6.7	62
54	Timed Action of IL-27 Protects from Immunopathology while Preserving Defense in Influenza. PLoS Pathogens, 2014, 10, e1004110.	4.7	62

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55	Magnetofluorescent liposomes for increased sensitivity of immunofluorescence. Immunotechnology: an International Journal of Immunological Engineering, 1995, 1, 127-137.	2.4	60
56	Expression of Novel Surface Antigens on Early Hematopoietic Cellsa. Annals of the New York Academy of Sciences, 1999, 872, 25-39.	3.8	60
57	Identification of Immunogenic Antigens from <i>Aspergillus fumigatus</i> by Direct Multiparameter Characterization of Specific Conventional and Regulatory CD4+ T Cells. Journal of Immunology, 2014, 193, 3332-3343.	0.8	58
58	Identification and isolation of murine antigenâ€reactive T cells according to CD154 expression. European Journal of Immunology, 2007, 37, 2370-2377.	2.9	56
59	miRâ€148a is upregulated by Twist1 and Tâ€bet and promotes Th1â€cell survival by regulating the proapoptotic gene Bim. European Journal of Immunology, 2015, 45, 1192-1205.	2.9	56
60	CD137+CD154â^' Expression As a Regulatory T Cell (Treg)-Specific Activation Signature for Identification and Sorting of Stable Human Tregs from In Vitro Expansion Cultures. Frontiers in Immunology, 2018, 9, 199.	4.8	55
61	Proteome Analysis Reveals the Conidial Surface Protein CcpA Essential for Virulence of the Pathogenic Fungus <i>Aspergillus fumigatus</i> NBio, 2018, 9, .	4.1	53
62	The Probiotic Compound VSL#3 Modulates Mucosal, Peripheral, and Systemic Immunity Following Murine Broad-Spectrum Antibiotic Treatment. Frontiers in Cellular and Infection Microbiology, 2017, 7, 167.	3.9	51
63	Clinical-scale selection and viral transduction of human na \tilde{A} ve and central memory CD8+ T cells for adoptive cell therapy of cancer patients. Cancer Immunology, Immunotherapy, 2013, 62, 1563-1573.	4.2	50
64	Fungus-Specific CD4 ⁺ T Cells for Rapid Identification of Invasive Pulmonary Mold Infection. American Journal of Respiratory and Critical Care Medicine, 2015, 191, 348-352.	5.6	47
65	Impact ofin utero Th2 immunity on T cell deviation and subsequent immediate-type hypersensitivity in the neonate. European Journal of Immunology, 2000, 30, 714-718.	2.9	46
66	Fecal Microbiota Transplantation, Commensal Escherichia coli and Lactobacillus johnsonii Strains Differentially Restore Intestinal and Systemic Adaptive Immune Cell Populations Following Broad-spectrum Antibiotic Treatment. Frontiers in Microbiology, 2017, 8, 2430.	3.5	45
67	Allergic Sensitization and Allergen Exposure during Pregnancy Favor the Development of Atopy in the Neonate. International Archives of Allergy and Immunology, 2001, 124, 193-196.	2.1	43
68	Liver sinusoidal endothelial cells induce immunosuppressive ILâ€10â€producing Th1 cells via the Notch pathway. European Journal of Immunology, 2015, 45, 2008-2016.	2.9	42
69	Membrane glucocorticoid receptors are down regulated by glucocorticoids in patients with systemic lupus erythematosus and use a caveolin-1-independent expression pathway. Annals of the Rheumatic Diseases, 2006, 65, 1139-1146.	0.9	41
70	<scp>H</scp> uman <scp> CD4</scp> ^{<scp>+</scp>} <scp> T </scp> cells maintain specific functions even under conditions of extremely restricted <scp> ATP</scp> production. European Journal of Immunology, 2008, 38, 1631-1642.	2.9	40
71	The effect of regulatory T cells on tolerance to airborne allergens and allergen immunotherapy. Journal of Allergy and Clinical Immunology, 2018, 142, 1697-1709.	2.9	40
72	Differential surrogate light chain expression governs B-cell differentiation. Blood, 2002, 99, 2459-2467.	1.4	38

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73	Prenatal Sensitization in a Mouse Model. American Journal of Respiratory and Critical Care Medicine, 2000, 162, S62-S65.	5.6	37
74	Differential surrogate light chain expression governs B-cell differentiation. Blood, 2002, 99, 2459-2467.	1.4	37
75	Antigen-specific cytometry—New tools arrived!. Clinical Immunology, 2004, 111, 155-161.	3.2	37
76	New technologies for monitoring human antigen-specific T cells and regulatory T cells by flow-cytometry. Current Opinion in Pharmacology, 2015, 23, 17-24.	3.5	35
77	T-cell Composition in Ileal and Colonic Creeping Fat – Separating Ileal from Colonic Crohn's Disease. Journal of Crohn's and Colitis, 2019, 13, 79-91.	1.3	35
78	Rapid detection, enrichment and propagation of specific T cell subsets based on cytokine secretion. Clinical and Experimental Immunology, 2010, 163, 1-10.	2.6	34
79	Single-cell analysis of the murine chemokines MIP- $1\hat{l}^{\pm}$, MIP- $1\hat{l}^{2}$, RANTES and ATAC/lymphotactin by flow cytometry. Journal of Immunological Methods, 2003, 274, 83-91.	1.4	30
80	Clinical-scale isolation of the total Aspergillus fumigatus–reactive T–helper cell repertoire for adoptive transfer. Cytotherapy, 2015, 17, 1396-1405.	0.7	30
81	Threshold of pre-T-cell-receptor surface expression is associated with $\hat{l}\pm\hat{l}^2$ T-cell lineage commitment. Current Biology, 1999, 9, 559-568.	3.9	28
82	Nuclear antigen–reactive CD4+ T cells expand in active systemic lupus erythematosus, produce effector cytokines, and invade the kidneys. Kidney International, 2021, 99, 238-246.	5.2	26
83	Chemokine Transfer by Liver Sinusoidal Endothelial Cells Contributes to the Recruitment of CD4+ T Cells into the Murine Liver. PLoS ONE, 2015, 10, e0123867.	2.5	25
84	Resolving SARS-CoV-2 CD4+ TÂcell specificity via reverse epitope discovery. Cell Reports Medicine, 2022, 3, 100697.	6.5	25
85	T cell immunity to commensal fungi. Current Opinion in Microbiology, 2020, 58, 116-123.	5.1	24
86	Immunoproteomics of $\langle i \rangle$ Aspergillus $\langle i \rangle$ for the development of biomarkers and immunotherapies. Proteomics - Clinical Applications, 2016, 10, 910-921.	1.6	22
87	A novel unconventional T cell population enriched in Crohn's disease. Gut, 2022, 71, 2194-2204.	12.1	22
88	Towards in vivo application of RNA interference - new toys, old problems. Arthritis Research, 2004, 6, 78.	2.0	20
89	Good Manufacturing Practice-Compliant Production and Lot-Release of Ex Vivo Expanded Regulatory T Cells As Basis for Treatment of Patients with Autoimmune and Inflammatory Disorders. Frontiers in Immunology, 2017, 8, 1371.	4.8	20
90	Antigen-specific regulatory T-cell responses against aeroantigens and their role in allergy. Mucosal Immunology, 2018, 11, 1537-1550.	6.0	18

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91	<i>In vitro</i> â€induced Th17 cells fail to induce inflammation <i>in vivo</i> and show an impaired migration into inflamed sites. European Journal of Immunology, 2010, 40, 1089-1098.	2.9	17
92	Fungus-Specific CD4 T Cells as Specific Sensors for Identification of Pulmonary Fungal Infections. Mycopathologia, 2018, 183, 213-226.	3.1	17
93	T Cell Repertoire Dynamics during Pregnancy in Multiple Sclerosis. Cell Reports, 2019, 29, 810-815.e4.	6.4	17
94	TCRs with segment TRAV9â€⊋ or a CDR3 histidine are overrepresented among nickelâ€specific CD4+ T cells. Allergy: European Journal of Allergy and Clinical Immunology, 2020, 75, 2574-2586.	5.7	16
95	Candida-Reactive T Cells for the Diagnosis of Invasive Candida Infection—A Prospective Pilot Study. Frontiers in Microbiology, 2018, 9, 1381.	3.5	15
96	A Notch/STAT3-driven Blimp-1/c-Maf-dependent molecular switch induces IL-10 expression in human CD4+ T cells and is defective in CrohnÂ's disease patients. Mucosal Immunology, 2022, 15, 480-490.	6.0	15
97	Recent developments in flow cytometry. Journal of Clinical Immunology, 2000, 20, 400-407.	3.8	14
98	Membrane glucocorticoid receptor expression on peripheral blood mononuclear cells in patients with ankylosing spondylitis. Journal of Rheumatology, 2006, 33, 2249-53.	2.0	13
99	Fluorescence-activated cytometry cell sorting based on immunological recognition. Clinical Biochemistry, 1995, 28, 39-40.	1.9	12
100	Enzymatic signal amplification for sensitive detection of intracellular antigens by flow cytometry. Journal of Immunological Methods, 1999, 230, 113-120.	1.4	12
101	The Monoclonal Antibody W7C5 Defines a Novel Surface Antigen on Hematopoietic Stem Cells. Annals of the New York Academy of Sciences, 2006, 938, 175-183.	3.8	12
102	Mouldâ€reactive T cells for the diagnosis of invasive mould infectionâ€"A prospective study. Mycoses, 2019, 62, 562-569.	4.0	12
103	Anti-fungal T cell responses in the lung and modulation by the gut-lung axis. Current Opinion in Microbiology, 2020, 56, 67-73.	5.1	11
104	Decreased inflammatory cytokine production of antigen-specific CD4+ TÂcells in NMDA receptor encephalitis. Journal of Neurology, 2021, 268, 2123-2131.	3.6	11
105	Transfer of IFN \hat{I}^3 -depleted CD4+ T cells together with CD8+ T cells leads to rejection of murine kidney sarcoma in mice. International Journal of Cancer, 2000, 87, 673-679.	5.1	8
106	Membrane glucocorticoid receptors (mGCR) on monocytes are up-regulated after vaccination. Rheumatology, 2006, 46, 364-365.	1.9	8
107	High-Sensitivity Immunofluorescence Staining: A Comparison of the Liposome Procedure and the FASER Technique on mGR Detection. Journal of Fluorescence, 2013, 23, 509-518.	2.5	8
108	Flow Cytometric Characterization of Human Antigen-Reactive T-Helper Cells. Methods in Molecular Biology, 2021, 2285, 141-152.	0.9	8

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109	Phenotyping and separation of leukocyte populations based on affinity labelling. Methods in Microbiology, 2002, 32, 23-58.	0.8	6
110	Phenotyping of Adaptive Immune Responses in Inflammatory Diseases. Frontiers in Immunology, 2020, 11, 604464.	4.8	6
111	How can the latest technologies advance cell therapy manufacturing?. Current Opinion in Organ Transplantation, 2014, 19, 621-626.	1.6	5
112	The domestic pig as humanâ€relevant large animal model to study adaptive antifungal immune responses against airborne <i>Aspergillus fumigatus</i> . European Journal of Immunology, 2020, 50, 1712-1728.	2.9	5
113	The role of A Disintegrin and Metalloproteinase (ADAM)-10 in T helper cell biology. Biochimica Et Biophysica Acta - Molecular Cell Research, 2022, 1869, 119192.	4.1	5
114	<i>M $<$ i> $<$ i>ycobacterium tuberculosis $<$ i>-specific CD4 T-cell scoring discriminates tuberculosis infection from disease. European Respiratory Journal, 2022, 60, 2101780.	6.7	4
115	Sensitive visualization of peptide presentation in vitro and ex vivo. Cytometry, 2003, 54A, 19-26.	1.8	3
116	Efficacy, T cell activation and antibody responses in accelerated Plasmodium falciparum sporozoite chemoprophylaxis vaccine regimens. Npj Vaccines, 2022, 7, .	6.0	3
117	Detection of Antigen-Specific T-Cells using Major Histocompatibility Complex Multimers or Functional Parameters., 2008,, 476-502.		1
118	Cytometric cytokine secretion assay: Detection and isolation of cytokine-secreting T cells. Methods in Microbiology, 2002, , 59-75.	0.8	0
119	Regulatory T cells in experimental arthritis. Arthritis Research, 2003, 5, 128.	2.0	0
120	Detection of antigen-specific lymphocytes/Detektion von Antigen-spezifischen Lymphozyten. Laboratoriums Medizin, 2004, 28, 299-306.	0.6	0
121	T-Cell Receptor Transgenic Models of Inflammatory Disorders: Relevance for Atopic Dermatitis?. , 2005, , 175-191.		0
122	Generation of aspergillus fumigatus-specific TH1 cells against invasive aspergillosis. Cytotherapy, 2014, 16, S104.	0.7	0
123	5. Durchflusszytometrische Analysen zur Detektion antigenspezifischer T-Zellen. , 2015, , 82-99.		0
124	Cytometry of Rare Surface Molecules by Magnetofluorescent Liposomes. , 2000, , 77-81.		0
125	Adenovirus Capsid Hexon Is the Main Target Protein of Adenovirus-Specific CD4+ T-Cells: Fundamentals for Targeting Adenovirus by Adoptive Immunotherapy Blood, 2005, 106, 3034-3034.	1.4	0
126	Prospective study on clinical and immunological Aspergillus categorization in cystic fibrosis , 2018, , .		0

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127	Transfer of IFNγâ€depleted CD4 T cells together with CD8 T cells leads to rejection of murine kidney sarcoma in mice. International Journal of Cancer, 2000, 87, 673-679.	5.1	0