

Marcus Buggert

List of Publications by Year in descending order

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Version: 2024-02-01

68
papers

5,494
citations

185998

28
h-index

102304

66
g-index

78
all docs

78
docs citations

78
times ranked

11479
citing authors

#	ARTICLE	IF	CITATIONS
1	Robust T Cell Immunity in Convalescent Individuals with Asymptomatic or Mild COVID-19. <i>Cell</i> , 2020, 183, 158-168.e14.	13.5	1,561
2	Natural killer cell immunotypes related to COVID-19 disease severity. <i>Science Immunology</i> , 2020, 5, .	5.6	344
3	Ancestral SARS-CoV-2-specific T cells cross-recognize the Omicron variant. <i>Nature Medicine</i> , 2022, 28, 472-476.	15.2	333
4	T-bet and Eomes Are Differentially Linked to the Exhausted Phenotype of CD8+ T Cells in HIV Infection. <i>PLoS Pathogens</i> , 2014, 10, e1004251.	2.1	273
5	Arming of MAIT Cell Cytolytic Antimicrobial Activity Is Induced by IL-7 and Defective in HIV-1 Infection. <i>PLoS Pathogens</i> , 2015, 11, e1005072.	2.1	204
6	T-bet+ B cells are induced by human viral infections and dominate the HIV gp140 response. <i>JCI Insight</i> , 2017, 2, .	2.3	164
7	Safety and efficacy of the mRNA BNT162b2 vaccine against SARS-CoV-2 in five groups of immunocompromised patients and healthy controls in a prospective open-label clinical trial. <i>EBioMedicine</i> , 2021, 74, 103705.	2.7	161
8	The CD4 ⁺ CD8 ⁺ MAIT cell subpopulation is a functionally distinct subset developmentally related to the main CD8 ⁺ MAIT cell pool. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E11513-E11522.	3.3	147
9	MAIT cell activation and dynamics associated with COVID-19 disease severity. <i>Science Immunology</i> , 2020, 5, .	5.6	147
10	Combined immunodeficiency and Epstein-Barr virus-induced B cell malignancy in humans with inherited CD70 deficiency. <i>Journal of Experimental Medicine</i> , 2017, 214, 91-106.	4.2	134
11	TOX is expressed by exhausted and polyfunctional human effector memory CD8 ⁺ T cells. <i>Science Immunology</i> , 2020, 5, .	5.6	125
12	The known unknowns of T cell immunity to COVID-19. <i>Science Immunology</i> , 2020, 5, .	5.6	122
13	Identification and characterization of HIV-specific resident memory CD8 ⁺ T cells in human lymphoid tissue. <i>Science Immunology</i> , 2018, 3, .	5.6	116
14	T follicular helper cells in human efferent lymph retain lymphoid characteristics. <i>Journal of Clinical Investigation</i> , 2019, 129, 3185-3200.	3.9	116
15	Spatial distribution and function of T follicular regulatory cells in human lymph nodes. <i>Journal of Experimental Medicine</i> , 2018, 215, 1531-1542.	4.2	90
16	Elite control of HIV is associated with distinct functional and transcriptional signatures in lymphoid tissue CD8 ⁺ T cells. <i>Science Translational Medicine</i> , 2019, 11, .	5.8	81
17	HIV-Specific CD8+ T Cells Exhibit Reduced and Differentially Regulated Cytolytic Activity in Lymphoid Tissue. <i>Cell Reports</i> , 2017, 21, 3458-3470.	2.9	77
18	Human MAIT cells exit peripheral tissues and recirculate via lymph in steady state conditions. <i>JCI Insight</i> , 2018, 3, .	2.3	72

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19	Identification of resident memory CD8 ⁺ T cells with functional specificity for SARS-CoV-2 in unexposed oropharyngeal lymphoid tissue. <i>Science Immunology</i> , 2021, 6, eabk0894.	5.6	71
20	Multiparametric Bioinformatics Distinguish the CD4/CD8 Ratio as a Suitable Laboratory Predictor of Combined T Cell Pathogenesis in HIV Infection. <i>Journal of Immunology</i> , 2014, 192, 2099-2108.	0.4	69
21	Perturbed CD8 ⁺ T cell TIGIT/CD226/PVR axis despite early initiation of antiretroviral treatment in HIV infected individuals. <i>Scientific Reports</i> , 2017, 7, 40354.	1.6	65
22	The Identity of Human Tissue-Emigrant CD8 ⁺ T Cells. <i>Cell</i> , 2020, 183, 1946-1961.e15.	13.5	58
23	T cell immunity to SARS-CoV-2. <i>Seminars in Immunology</i> , 2021, 55, 101505.	2.7	55
24	High-dimensional profiling reveals phenotypic heterogeneity and disease-specific alterations of granulocytes in COVID-19. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	52
25	Expansions of adaptive-like NK cells with a tissue-resident phenotype in human lung and blood. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	43
26	SARS-CoV-2-specific humoral and cellular immunity persists through 9 months irrespective of COVID-19 severity at hospitalisation. <i>Clinical and Translational Immunology</i> , 2021, 10, e1306.	1.7	36
27	Temporal Dynamics of CD8 ⁺ T Cell Effector Responses during Primary HIV Infection. <i>PLoS Pathogens</i> , 2016, 12, e1005805.	2.1	36
28	Interdisciplinary Analysis of HIV-Specific CD8 ⁺ T Cell Responses against Variant Epitopes Reveals Restricted TCR Promiscuity. <i>Journal of Immunology</i> , 2010, 184, 5383-5391.	0.4	34
29	A biliary immune landscape map of primary sclerosing cholangitis reveals a dominant network of neutrophils and tissue-resident T cells. <i>Science Translational Medicine</i> , 2021, 13, .	5.8	31
30	CD4 ⁺ T cells with an activated and exhausted phenotype distinguish immunodeficiency during aviremic HIV-2 infection. <i>Aids</i> , 2016, 30, 2415-2426.	1.0	30
31	Limited immune surveillance in lymphoid tissue by cytolytic CD4 ⁺ T cells during health and HIV disease. <i>PLoS Pathogens</i> , 2018, 14, e1006973.	2.1	30
32	Human mucosal tissue-resident memory T cells in health and disease. <i>Mucosal Immunology</i> , 2022, 15, 389-397.	2.7	30
33	Elevated levels of invariant natural killer T-cell and natural killer cell activation correlate with disease progression in HIV-1 and HIV-2 infections. <i>Aids</i> , 2016, 30, 1713-1722.	1.0	27
34	Covid-19 in patients with chronic lymphocytic leukemia: clinical outcome and B- and T-cell immunity during 13 months in consecutive patients. <i>Leukemia</i> , 2022, 36, 476-481.	3.3	25
35	Comparison of Lung-Homing Receptor Expression and Activation Profiles on NK Cell and T Cell Subsets in COVID-19 and Influenza. <i>Frontiers in Immunology</i> , 2022, 13, 834862.	2.2	23
36	Combination of Immune and Viral Factors Distinguishes Low-Risk versus High-Risk HIV-1 Disease Progression in HLA-B*5701 Subjects. <i>Journal of Virology</i> , 2012, 86, 9802-9816.	1.5	22

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37	Characterization of HIV-Specific CD4+ T Cell Responses against Peptides Selected with Broad Population and Pathogen Coverage. <i>PLoS ONE</i> , 2012, 7, e39874.	1.1	22
38	Regulation of CD8+ T-cell cytotoxicity in HIV-1 infection. <i>Cellular Immunology</i> , 2015, 298, 126-133.	1.4	21
39	Factors Influencing Functional Heterogeneity in Human Mucosa-Associated Invariant T Cells. <i>Frontiers in Immunology</i> , 2018, 9, 1602.	2.2	20
40	Human Immunodeficiency Virus Type-1 Elite Controllers Maintain Low Co-Expression of Inhibitory Receptors on CD4+ T Cells. <i>Frontiers in Immunology</i> , 2018, 9, 19.	2.2	20
41	Salivary IgG to SARS-CoV-2 indicates seroconversion and correlates to serum neutralization in mRNA-vaccinated immunocompromised individuals. <i>Med</i> , 2022, 3, 137-153.e3.	2.2	19
42	NK cell frequencies, function and correlates to vaccine outcome in BNT162b2 mRNA anti-SARS-CoV-2 vaccinated healthy and immunocompromised individuals. <i>Molecular Medicine</i> , 2022, 28, 20.	1.9	18
43	MAIT cell compartment characteristics are associated with the immune response magnitude to the BNT162b2 mRNA anti-SARS-CoV-2 vaccine. <i>Molecular Medicine</i> , 2022, 28, 54.	1.9	18
44	Human Immunodeficiency Virus-Infected Women Have High Numbers of CD103 ⁺ CD8 ⁺ T Cells Residing Close to the Basal Membrane of the Ectocervical Epithelium. <i>Journal of Infectious Diseases</i> , 2018, 218, 453-465.	1.9	15
45	Multidimensional Clusters of CD4+ T Cell Dysfunction Are Primarily Associated with the CD4/CD8 Ratio in Chronic HIV Infection. <i>PLoS ONE</i> , 2015, 10, e0137635.	1.1	14
46	T-cell immune responses following vaccination with mRNA BNT162b2 against SARS-CoV-2 in patients with chronic lymphocytic leukemia: results from a prospective open-label clinical trial. <i>Haematologica</i> , 2022, 107, 1000-1003.	1.7	14
47	Ancestral SARS-CoV-2-specific T cells cross-recognize Omicron. <i>Nature Medicine</i> , 0, , .	15.2	14
48	Elevated CD21 ^{low} B Cell Frequency Is a Marker of Poor Immunity to Pfizer-BioNTech BNT162b2 mRNA Vaccine Against SARS-CoV-2 in Patients with Common Variable Immunodeficiency. <i>Journal of Clinical Immunology</i> , 2022, 42, 716-727.	2.0	13
49	Neutralizing SARS-CoV-2 Antibodies in Commercial Immunoglobulin Products Give Patients with X-Linked Agammaglobulinemia Limited Passive Immunity to the Omicron Variant. <i>Journal of Clinical Immunology</i> , 2022, 42, 1130-1136.	2.0	13
50	Functional Avidity and IL-2/Perforin Production Is Linked to the Emergence of Mutations within HLA-B*5701 ⁺ Restricted Epitopes and HIV-1 Disease Progression. <i>Journal of Immunology</i> , 2014, 192, 4685-4696.	0.4	12
51	Targeting of Conserved Gag-Epitopes in Early HIV Infection Is Associated with Lower Plasma Viral Load and Slower CD4 ⁺ T Cell Depletion. <i>AIDS Research and Human Retroviruses</i> , 2013, 29, 602-612.	0.5	11
52	An evaluation of a FluoroSpot assay as a diagnostic tool to determine SARS-CoV-2 specific T cell responses. <i>PLoS ONE</i> , 2021, 16, e0258041.	1.1	10
53	Role of translocated bacterial flagellin in monocyte activation among individuals with chronic HIV-1 infection. <i>Clinical Immunology</i> , 2015, 161, 180-189.	1.4	9
54	Everything in its right place. <i>Current Opinion in HIV and AIDS</i> , 2019, 14, 93-99.	1.5	9

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55	Single-Cell Characterization of in vitro Migration and Interaction Dynamics of T Cells Expanded with IL-2 and IL-7. <i>Frontiers in Immunology</i> , 2015, 6, 196.	2.2	8
56	Cross-Reactive Antibodies With the Capacity to Mediate HIV-1 Envelope Glycoprotein-Targeted Antibody-Dependent Cellular Cytotoxicity Identified in HIV-2-Infected Individuals. <i>Journal of Infectious Diseases</i> , 2019, 219, 1749-1754.	1.9	7
57	COVID-19-specific metabolic imprint yields insights into multiorgan system perturbations. <i>European Journal of Immunology</i> , 2022, 52, 503-510.	1.6	7
58	NetFCM: A semi-automated web-based method for flow cytometry data analysis. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2014, 85, 969-977.	1.1	5
59	Delayed Expression of PD-1 and TIGIT on HIV-Specific CD8 T Cells in Untreated HLA-B*57:01 Individuals Followed from Early Infection. <i>Journal of Virology</i> , 2020, 94, .	1.5	5
60	Inverted CD8 T-Cell Exhaustion and Co-Stimulation Marker Balance Differentiate Aviremic HIV-2-Infected From Seronegative Individuals. <i>Frontiers in Immunology</i> , 2021, 12, 744530.	2.2	5
61	Do reduced numbers of plasmacytoid dendritic cells contribute to the aggressive clinical course of COVID-19 in chronic lymphocytic leukaemia?. <i>Scandinavian Journal of Immunology</i> , 2022, 95, e13153.	1.3	5
62	Assessment of the Synaptic Interface of Primary Human T Cells from Peripheral Blood and Lymphoid Tissue. <i>Journal of Visualized Experiments</i> , 2018, . .	0.2	4
63	Preserved Mucosal-Associated Invariant T Cells in the Cervical Mucosa of HIV-Infected Women with Dominant Expression of the TRAV1-2/TRAJ20 T Cell Receptor α -Chain. <i>Journal of Infectious Diseases</i> , 2022, 226, 1428-1440.	1.9	4
64	The Karolinska KI/K COVID-19 immune atlas: An open resource for immunological research and educational purposes. <i>Scandinavian Journal of Immunology</i> , 2022, 96, .	1.3	4
65	Deciphering the ins and outs of SARS-CoV-2-specific T cells. <i>Nature Immunology</i> , 2021, 22, 8-9.	7.0	3
66	Resident T _H 17 cells "break bad" in kidney autoimmunity. <i>Science Immunology</i> , 2020, 5, .	5.6	1
67	Genetic footprints of T cell exhaustion. <i>Translational Cancer Research</i> , 2017, 6, S65-S67.	0.4	1
68	T cell exhaustion dynamics are linked to clinical outcomes in hepatocellular carcinoma. <i>Journal of Hepatology</i> , 2020, 73, S630-S631.	1.8	0