Marcus Buggert

List of Publications by Citations

68 papers	**2,975** citations	**24** h-index	**54** g-index
78 ext. papers	**4,612** ext. citations	**12.5** avg, IF	**4.81** L-index

#	Paper	IF	Citations
68	Robust T Cell Immunity in Convalescent Individuals with Asymptomatic or Mild COVID-19. *Cell*, **2020**, 183, 158-168.e14	56.2	955
67	Natural killer cell immunotypes related to COVID-19 disease severity. *Science Immunology*, **2020**, 5,	28	183
66	T-bet and Eomes are differentially linked to the exhausted phenotype of CD8+ T cells in HIV infection. *PLoS Pathogens*, **2014**, 10, e1004251	7.6	182
65	Arming of MAIT Cell Cytolytic Antimicrobial Activity Is Induced by IL-7 and Defective in HIV-1 Infection. *PLoS Pathogens*, **2015**, 11, e1005072	7.6	141
64	Combined immunodeficiency and Epstein-Barr virus-induced B cell malignancy in humans with inherited CD70 deficiency. *Journal of Experimental Medicine*, **2017**, 214, 91-106	16.6	111
63	T-bet+ B cells are induced by human viral infections and dominate the HIV gp140 response. *JCI Insight*, **2017**, 2,	9.9	93
62	The CD4CD8 MAIT cell subpopulation is a functionally distinct subset developmentally related to the main CD8 MAIT cell pool. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, E11513-E11522	11.5	86
61	Robust T cell immunity in convalescent individuals with asymptomatic or mild COVID-19		85
60	Identification and characterization of HIV-specific resident memory CD8 T cells in human lymphoid tissue. *Science Immunology*, **2018**, 3,	28	82
59	T follicular helper cells in human efferent lymph retain lymphoid characteristics. *Journal of Clinical Investigation*, **2019**, 129, 3185-3200	15.9	78
58	MAIT cell activation and dynamics associated with COVID-19 disease severity. *Science Immunology*, **2020**, 5,	28	74
57	Spatial distribution and function of T follicular regulatory cells in human lymph nodes. *Journal of Experimental Medicine*, **2018**, 215, 1531-1542	16.6	61
56	The known unknowns of T cell immunity to COVID-19. *Science Immunology*, **2020**, 5,	28	60
55	Ancestral SARS-CoV-2-specific T cells cross-recognize the Omicron variant.. *Nature Medicine*, **2022**,	50.5	59
54	HIV-Specific CD8 T Cells Exhibit Reduced and Differentially Regulated Cytolytic Activity in Lymphoid Tissue. *Cell Reports*, **2017**, 21, 3458-3470	10.6	54
53	TOX is expressed by exhausted and polyfunctional human effector memory CD8 T cells. *Science Immunology*, **2020**, 5,	28	52
52	Multiparametric bioinformatics distinguish the CD4/CD8 ratio as a suitable laboratory predictor of combined T cell pathogenesis in HIV infection. *Journal of Immunology*, **2014**, 192, 2099-108	5.3	51

51	Perturbed CD8 T cell TIGIT/CD226/PVR axis despite early initiation of antiretroviral treatment in HIV infected individuals. *Scientific Reports*, **2017**, 7, 40354	4.9	42
50	Human MAIT cells exit peripheral tissues and recirculate via lymph in steady state conditions. *JCI Insight*, **2018**, 3,	9.9	41
49	Elite control of HIV is associated with distinct functional and transcriptional signatures in lymphoid tissue CD8 T cells. *Science Translational Medicine*, **2019**, 11,	17.5	37
48	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. *EBioMedicine*, **2021**, 74, 103705	8.8	34
47	Interdisciplinary analysis of HIV-specific CD8+ T cell responses against variant epitopes reveals restricted TCR promiscuity. *Journal of Immunology*, **2010**, 184, 5383-91	5.3	29
46	Temporal Dynamics of CD8+ T Cell Effector Responses during Primary HIV Infection. *PLoS Pathogens*, **2016**, 12, e1005805	7.6	26
45	The Identity of Human Tissue-Emigrant CD8 T Cells. *Cell*, **2020**, 183, 1946-1961.e15	56.2	25
44	Limited immune surveillance in lymphoid tissue by cytolytic CD4+ T cells during health and HIV disease. *PLoS Pathogens*, **2018**, 14, e1006973	7.6	23
43	CD4+ T cells with an activated and exhausted phenotype distinguish immunodeficiency during aviremic HIV-2 infection. *Aids*, **2016**, 30, 2415-2426	3.5	21
42	Elevated levels of invariant natural killer T-cell and natural killer cell activation correlate with disease progression in HIV-1 and HIV-2 infections. *Aids*, **2016**, 30, 1713-22	3.5	20
41	Combination of immune and viral factors distinguishes low-risk versus high-risk HIV-1 disease progression in HLA-B*5701 subjects. *Journal of Virology*, **2012**, 86, 9802-16	6.6	19
40	Characterization of HIV-specific CD4+ T cell responses against peptides selected with broad population and pathogen coverage. *PLoS ONE*, **2012**, 7, e39874	3.7	19
39	SARS-CoV-2-specific humoral and cellular immunity persists through 9 months irrespective of COVID-19 severity at hospitalisation. *Clinical and Translational Immunology*, **2021**, 10, e1306	6.8	16
38	Regulation of CD8+ T-cell cytotoxicity in HIV-1 infection. *Cellular Immunology*, **2015**, 298, 126-33	4.4	15
37	Identification of resident memory CD8 T cells with functional specificity for SARS-CoV-2 in unexposed oropharyngeal lymphoid tissue. *Science Immunology*, **2021**, 6, eabk0894	28	15
36	Factors Influencing Functional Heterogeneity in Human Mucosa-Associated Invariant T Cells. *Frontiers in Immunology*, **2018**, 9, 1602	8.4	14
35	High-dimensional profiling reveals phenotypic heterogeneity and disease-specific alterations of granulocytes in COVID-19. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	14
34	Human Immunodeficiency Virus-Infected Women Have High Numbers of CD103-CD8+ T Cells Residing Close to the Basal Membrane of the Ectocervical Epithelium. *Journal of Infectious Diseases*, **2018**, 218, 453-465	7	11

#		IF	Cit.
33	Human Immunodeficiency Virus Type-1 Elite Controllers Maintain Low Co-Expression of Inhibitory Receptors on CD4+ T Cells. *Frontiers in Immunology*, **2018**, 9, 19	8.4	11
32	T cell immunity to SARS-CoV-2. *Seminars in Immunology*, **2021**, 101505	10.7	11
31	Expansions of adaptive-like NK cells with a tissue-resident phenotype in human lung and blood. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	11
30	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. *Journal of Immunology*, **2014**, 192, 4685-96	5.2	10
29	Multidimensional Clusters of CD4+ T Cell Dysfunction Are Primarily Associated with the CD4/CD8 Ratio in Chronic HIV Infection. *PLoS ONE*, **2015**, 10, e0137635	3.7	9
28	Targeting of conserved gag-epitopes in early HIV infection is associated with lower plasma viral load and slower CD4(+) T cell depletion. *AIDS Research and Human Retroviruses*, **2013**, 29, 602-12	1.6	9
27	MAIT cell activation and dynamics associated with COVID-19 disease severity and outcome		9
26	Everything in its right place: resident memory CD8+ T cell immunosurveillance of HIV infection. *Current Opinion in HIV and AIDS*, **2019**, 14, 93-99	4.2	8
25	Role of translocated bacterial flagellin in monocyte activation among individuals with chronic HIV-1 infection. *Clinical Immunology*, **2015**, 161, 180-9	9	7
24	An evaluation of a FluoroSpot assay as a diagnostic tool to determine SARS-CoV-2 specific T cell responses. *PLoS ONE*, **2021**, 16, e0258041	3.7	6
23	Cross-Reactive Antibodies With the Capacity to Mediate HIV-1 Envelope Glycoprotein-Targeted Antibody-Dependent Cellular Cytotoxicity Identified in HIV-2-Infected Individuals. *Journal of Infectious Diseases*, **2019**, 219, 1749-1754	7	5
22	Delayed Expression of PD-1 and TIGIT on HIV-Specific CD8 T Cells in Untreated HLA-B*57:01 Individuals Followed from Early Infection. *Journal of Virology*, **2020**, 94,	6.6	5
21	Single-Cell Characterization of in vitro Migration and Interaction Dynamics of T Cells Expanded with IL-2 and IL-7. *Frontiers in Immunology*, **2015**, 6, 196	8.4	5
20	Salivary IgG to SARS-CoV-2 indicates seroconversion and correlates to serum neutralization in mRNA-vaccinated immunocompromised individuals.. *Med*, **2022**,	31.7	5
19	Covid-19 in patients with chronic lymphocytic leukemia: clinical outcome and B- and T-cell immunity during 13 months in consecutive patients. *Leukemia*, **2021**,	10.7	5
18	The identity of human tissue-emigrant CD8+ T cells		4
17	A biliary immune landscape map of primary sclerosing cholangitis reveals a dominant network of neutrophils and tissue-resident T cells. *Science Translational Medicine*, **2021**, 13,	17.5	4
16	Distinct lung-homing receptor expression and activation profiles on NK cell and T cell subsets in COVID-19 and influenza		4

List of Publications

#	Publication	IF	Cit.
15	NetFCM: a semi-automated web-based method for flow cytometry data analysis. *Cytometry Part A: the Journal of the International Society for Analytical Cytology*, **2014**, 85, 969-77	4.6	3
14	Assessment of the Synaptic Interface of Primary Human T Cells from Peripheral Blood and Lymphoid Tissue. *Journal of Visualized Experiments*, **2018**,	1.6	2
13	NK cell frequencies, function and correlates to vaccine outcome in BNT162b2 mRNA anti-SARS-CoV-2 vaccinated healthy and immunocompromised individuals.. *Molecular Medicine*, **2022**, 28, 20	6.2	2
12	COVID-19 specific metabolic imprint yields insights into multi organ-system perturbations. *European Journal of Immunology*, **2021**,	6.1	1
11	Resident T17 cells "break bad" in kidney autoimmunity. *Science Immunology*, **2020**, 5,	28	1
10	Deciphering the ins and outs of SARS-CoV-2-specific T cells. *Nature Immunology*, **2021**, 22, 8-9	19.1	1
9	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		1
8	High-dimensional profiling reveals phenotypic heterogeneity and disease-specific alterations of granulocytes in COVID-19		1
7	Do reduced numbers of plasmacytoid dendritic cells contribute to the aggressive clinical course of COVID-19 in chronic lymphocytic leukemia?. *Scandinavian Journal of Immunology*, **2022**, e13153	3.4	1
6	Comparison of Lung-Homing Receptor Expression and Activation Profiles on NK Cell and T Cell Subsets in COVID-19 and Influenza.. *Frontiers in Immunology*, **2022**, 13, 834862	8.4	1
5	Neutralizing SARS-CoV-2 Antibodies in Commercial Immunoglobulin Products Give Patients with X-Linked Agammaglobulinemia Limited Passive Immunity to the Omicron Variant.. *Journal of Clinical Immunology*, **2022**, 1	5.7	1
4	Ancestral SARS-CoV-2-specific T cells cross-recognize Omicron. *Nature Medicine*,	50.5	0
3	Inverted CD8 T-Cell Exhaustion and Co-Stimulation Marker Balance Differentiate Aviremic HIV-2-Infected From Seronegative Individuals. *Frontiers in Immunology*, **2021**, 12, 744530	8.4	0
2	Elevated CD21 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.. *Journal of Clinical Immunology*, **2022**, 1	5.7	0
1	MAIT cell compartment characteristics are associated with the immune response magnitude to the BNT162b2 mRNA anti-SARS-CoV-2 vaccine.. *Molecular Medicine*, **2022**, 28, 54	6.2	0