Marcus Buggert

List of Publications by Year
in descending order

68 papers	5,494 citations	186265 28 h-index	102487 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. Cell, 2020, 183, 158-168.e14.	28.9	1,561
2	Natural killer cell immunotypes related to COVID-19 disease severity. Science Immunology, 2020, 5, .	11.9	344
3	Ancestral SARS-CoV-2-specific T cells cross-recognize the Omicron variant. Nature Medicine, 2022, 28, 472-476.	30.7	333
4	T-bet and Eomes Are Differentially Linked to the Exhausted Phenotype of CD8+ T Cells in HIV Infection. PLoS Pathogens, 2014, 10, e1004251.	4.7	273
5	Arming of MAIT Cell Cytolytic Antimicrobial Activity Is Induced by IL-7 and Defective in HIV-1 Infection. PLoS Pathogens, 2015, 11, e1005072.	4.7	204
6	T-bet+ B cells are induced by human viral infections and dominate the HIV gp140 response. JCI Insight, 2017, 2, .	5.0	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. EBioMedicine, 2021, 74, 103705.	6.1	161
8	The CD4^{â˜'}CD8^{â˜'}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.	7.1	147
9	MAIT cell activation and dynamics associated with COVID-19 disease severity. Science Immunology, 2020, 5, .	11.9	147
10	Combined immunodeficiency and Epstein-Barr virusâ€"induced B cell malignancy in humans with inherited CD70 deficiency. Journal of Experimental Medicine, 2017, 214, 91-106.	8.5	134
11	TOX is expressed by exhausted and polyfunctional human effector memory CD8 ⁺ T cells. Science Immunology, 2020, 5, .	11.9	125
12	The known unknowns of T cell immunity to COVID-19. Science Immunology, 2020, 5, .	11.9	122
13	Identification and characterization of HIV-specific resident memory CD8 ⁺ T cells in human lymphoid tissue. Science Immunology, 2018, 3, .	11.9	116
14	T follicular helper cells in human efferent lymph retain lymphoid characteristics. Journal of Clinical Investigation, 2019, 129, 3185-3200.	8.2	116
15	Spatial distribution and function of T follicular regulatory cells in human lymph nodes. Journal of Experimental Medicine, 2018, 215, 1531-1542.	8.5	90
16	Elite control of HIV is associated with distinct functional and transcriptional signatures in lymphoid tissue CD8 ⁺ T cells. Science Translational Medicine, 2019, 11, .	12.4	81
17	HIV-Specific CD8+ T Cells Exhibit Reduced and Differentially Regulated Cytolytic Activity in Lymphoid Tissue. Cell Reports, 2017, 21, 3458-3470.	6.4	77
18	Human MAIT cells exit peripheral tissues and recirculate via lymph in steady state conditions. JCI Insight, 2018, 3, .	5.0	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. Science Immunology, 2021, 6, eabk0894.	11.9	71
20	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, 2099-2108.	0.8	69
21	Perturbed CD8+ T cell TIGIT/CD226/PVR axis despite early initiation of antiretroviral treatment in HIV infected individuals. Scientific Reports, 2017, 7, 40354.	3.3	65
22	The Identity of Human Tissue-Emigrant CD8+ T Cells. Cell, 2020, 183, 1946-1961.e15.	28.9	58
23	T cell immunity to SARS-CoV-2. Seminars in Immunology, 2021, 55, 101505.	5.6	55
24	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, .	7.1	52
25	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, .	7.1	43
26	SARSâ€CoVâ€2â€specific humoral and cellular immunity persists through 9 months irrespective of COVIDâ€19 severity at hospitalisation. Clinical and Translational Immunology, 2021, 10, e1306.	3.8	36
27	Temporal Dynamics of CD8+ T Cell Effector Responses during Primary HIV Infection. PLoS Pathogens, 2016, 12, e1005805.	4.7	36
28	Interdisciplinary Analysis of HIV-Specific CD8+ T Cell Responses against Variant Epitopes Reveals Restricted TCR Promiscuity. Journal of Immunology, 2010, 184, 5383-5391.	0.8	34
29	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, .	12.4	31
30	CD4+ T cells with an activated and exhausted phenotype distinguish immunodeficiency during aviremic HIV-2 infection. Aids, 2016, 30, 2415-2426.	2.2	30
31	Limited immune surveillance in lymphoid tissue by cytolytic CD4+ T cells during health and HIV disease. PLoS Pathogens, 2018, 14, e1006973.	4.7	30
32	Human mucosal tissue-resident memory T cells in health and disease. Mucosal Immunology, 2022, 15, 389-397.	6.0	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. Aids, 2016, 30, 1713-1722.	2.2	27
34	Covid-19 in patients with chronic lymphocytic leukemia: clinical outcome and B- and T-cell immunity during 13 months in consecutive patients. Leukemia, 2022, 36, 476-481.	7.2	25
35	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.	4.8	23
36	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, 9802-9816.	3.4	22

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37	Characterization of HIV-Specific CD4+ T Cell Responses against Peptides Selected with Broad Population and Pathogen Coverage. PLoS ONE, 2012, 7, e39874.	2.5	22
38	Regulation of CD8+ T-cell cytotoxicity in HIV-1 infection. Cellular Immunology, 2015, 298, 126-133.	3.0	21
39	Factors Influencing Functional Heterogeneity in Human Mucosa-Associated Invariant T Cells. Frontiers in Immunology, 2018, 9, 1602.	4.8	20
40	Human Immunodeficiency Virus Type-1 Elite Controllers Maintain Low Co-Expression of Inhibitory Receptors on CD4+ T Cells. Frontiers in Immunology, 2018, 9, 19.	4.8	20
41	Salivary IgG to SARS-CoV-2 indicates seroconversion and correlates to serum neutralization in mRNA-vaccinated immunocompromised individuals. Med, 2022, 3, 137-153.e3.	4.4	19
42	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.	4.4	18
43	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.	4.4	18
44	Human Immunodeficiency Virus-Infected Women Have High Numbers of CD103â^'CD8+ T Cells Residing Close to the Basal Membrane of the Ectocervical Epithelium. Journal of Infectious Diseases, 2018, 218, 453-465.	4.0	15
45	Multidimensional Clusters of CD4+ T Cell Dysfunction Are Primarily Associated with the CD4/CD8 Ratio in Chronic HIV Infection. PLoS ONE, 2015, 10, e0137635.	2.5	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. Haematologica, 2022, 107, 1000-1003.	3.5	14
47	Ancestral SARS-CoV-2-specific T cells cross-recognize Omicron. Nature Medicine, 0, , .	30.7	14
48	Elevated CD21low 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, 42, 716-727.	3.8	13
49	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, 42, 1130-1136.	3.8	13
50	Functional Avidity and IL-2/Perforin Production Is Linked to the Emergence of Mutations within HLA-B*5701â€"Restricted Epitopes and HIV-1 Disease Progression. Journal of Immunology, 2014, 192, 4685-4696.	0.8	12
51	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, 602-612.	1.1	11
52	An evaluation of a FluoroSpot assay as a diagnostic tool to determine SARS-CoV-2 specific T cell responses. PLoS ONE, 2021, 16, e0258041.	2.5	10
53	Role of translocated bacterial flagellin in monocyte activation among individuals with chronic HIV-1 infection. Clinical Immunology, 2015, 161, 180-189.	3.2	9
54	Everything in its right place. Current Opinion in HIV and AIDS, 2019, 14, 93-99.	3.8	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. Frontiers in Immunology, 2015, 6, 196.	4.8	8
56	Cross-Reactive Antibodies With the Capacity to Mediate HIV-1 Envelope Glycoproteinâ€"Targeted Antibody-Dependent Cellular Cytotoxicity Identified in HIV-2â€"Infected Individuals. Journal of Infectious Diseases, 2019, 219, 1749-1754.	4.0	7
57	COVIDâ€19â€specific metabolic imprint yields insights into multiorgan system perturbations. European Journal of Immunology, 2022, 52, 503-510.	2.9	7
58	Net<scp>FCM</scp>: A semiâ€automated webâ€based method for flow cytometry data analysis. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2014, 85, 969-977.	1.5	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. Journal of Virology, 2020, 94, .	3.4	5
60	Inverted CD8 T-Cell Exhaustion and Co-Stimulation Marker Balance Differentiate Aviremic HIV-2-Infected From Seronegative Individuals. Frontiers in Immunology, 2021, 12, 744530.	4.8	5
61	Do reduced numbers of plasmacytoid dendritic cells contribute to the aggressive clinical course of COVIDâ€19 in chronic lymphocytic leukaemia?. Scandinavian Journal of Immunology, 2022, 95, e13153.	2.7	5
62	Assessment of the Synaptic Interface of Primary Human T Cells from Peripheral Blood and Lymphoid Tissue. Journal of Visualized Experiments, 2018, , .	0.3	4
63	Preserved Mucosal-Associated Invariant T Cells in the Cervical Mucosa of HIV-Infected Women with Dominant Expression of the TRAV1-2â€"TRAJ20 T Cell Receptor Î±-Chain. Journal of Infectious Diseases, 2022, 226, 1428-1440.	4.0	4
64	The Karolinska <scp>KI</scp>/K <scp>COVID</scp>â€19 immune atlas: An open resource for immunological research and educational purposes. Scandinavian Journal of Immunology, 2022, 96, .	2.7	4
65	Deciphering the ins and outs of SARS-CoV-2-specific T cells. Nature Immunology, 2021, 22, 8-9.	14.5	3
66	Resident T _H 17 cells â€œbreak badâ€• in kidney autoimmunity. Science Immunology, 2020, 5, .	11.9	1
67	Genetic footprints of T cell exhaustion. Translational Cancer Research, 2017, 6, S65-S67.	1.0	1
68	T cell exhaustion dynamics are linked to clinical outcomes in hepatocellular carcinoma. Journal of Hepatology, 2020, 73, S630-S631.	3.7	0