

Alba Grifoni

List of Publications by Year in descending order

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Version: 2024-02-01

86
papers

14,679
citations

126907

33
h-index

53230

85
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92
docs citations

92
times ranked

19981
citing authors

#	ARTICLE	IF	CITATIONS
1	Targets of T Cell Responses to SARS-CoV-2 Coronavirus in Humans with COVID-19 Disease and Unexposed Individuals. <i>Cell</i> , 2020, 181, 1489-1501.e15.	28.9	3,220
2	Immunological memory to SARS-CoV-2 assessed for up to 8 months after infection. <i>Science</i> , 2021, 371, .	12.6	2,268
3	Antigen-Specific Adaptive Immunity to SARS-CoV-2 in Acute COVID-19 and Associations with Age and Disease Severity. <i>Cell</i> , 2020, 183, 996-1012.e19.	28.9	1,494
4	Selective and cross-reactive SARS-CoV-2 T cell epitopes in unexposed humans. <i>Science</i> , 2020, 370, 89-94.	12.6	1,036
5	A Sequence Homology and Bioinformatic Approach Can Predict Candidate Targets for Immune Responses to SARS-CoV-2. <i>Cell Host and Microbe</i> , 2020, 27, 671-680.e2.	11.0	893
6	Phenotype and kinetics of SARS-CoV-2-specific T cells in COVID-19 patients with acute respiratory distress syndrome. <i>Science Immunology</i> , 2020, 5, .	11.9	851
7	Imbalance of Regulatory and Cytotoxic SARS-CoV-2-Reactive CD4+ T Cells in COVID-19. <i>Cell</i> , 2020, 183, 1340-1353.e16.	28.9	431
8	T cell responses to SARS-CoV-2 spike cross-recognize Omicron. <i>Nature</i> , 2022, 603, 488-492.	27.8	430
9	Cellular and humoral immune responses following SARS-CoV-2 mRNA vaccination in patients with multiple sclerosis on anti-CD20 therapy. <i>Nature Medicine</i> , 2021, 27, 1990-2001.	30.7	396
10	Rapid induction of antigen-specific CD4+ T cells is associated with coordinated humoral and cellular immunity to SARS-CoV-2 mRNA vaccination. <i>Immunity</i> , 2021, 54, 2133-2142.e3.	14.3	367
11	Divergent SARS-CoV-2 Omicron-specific reactive T and B cell responses in COVID-19 vaccine recipients. <i>Science Immunology</i> , 2022, 7, eabo2202.	11.9	337
12	Ancestral SARS-CoV-2-specific T cells cross-recognize the Omicron variant. <i>Nature Medicine</i> , 2022, 28, 472-476.	30.7	333
13	SARS-CoV-2 human T cell epitopes: Adaptive immune response against COVID-19. <i>Cell Host and Microbe</i> , 2021, 29, 1076-1092.	11.0	242
14	Prior Dengue Virus Exposure Shapes T Cell Immunity to Zika Virus in Humans. <i>Journal of Virology</i> , 2017, 91, .	3.4	148
15	SARS-CoV-2 infection generates tissue-localized immunological memory in humans. <i>Science Immunology</i> , 2021, 6, eabl9105.	11.9	147
16	Defining the risk of SARS-CoV-2 variants on immune protection. <i>Nature</i> , 2022, 605, 640-652.	27.8	117
17	Prior infection with SARS-CoV-2 boosts and broadens Ad26.COVS immunogenicity in a variant-dependent manner. <i>Cell Host and Microbe</i> , 2021, 29, 1611-1619.e5.	11.0	106
18	Human T Cell Response to Dengue Virus Infection. <i>Frontiers in Immunology</i> , 2019, 10, 2125.	4.8	102

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19	Predicting HLA CD4 Immunogenicity in Human Populations. <i>Frontiers in Immunology</i> , 2018, 9, 1369.	4.8	101
20	Robust T-Cell Responses in Anti-CD20-Treated Patients Following COVID-19 Vaccination: A Prospective Cohort Study. <i>Clinical Infectious Diseases</i> , 2022, 75, e1037-e1045.	5.8	90
21	HLA-DRB1 Alleles Are Associated With Different Magnitudes of Dengue Virus-Specific CD4 ⁺ T-Cell Responses. <i>Journal of Infectious Diseases</i> , 2016, 214, 1117-1124.	4.0	88
22	Human CD4 ⁺ T Cell Responses to an Attenuated Tetravalent Dengue Vaccine Parallel Those Induced by Natural Infection in Magnitude, HLA Restriction, and Antigen Specificity. <i>Journal of Virology</i> , 2017, 91, .	3.4	83
23	Global Assessment of Dengue Virus-Specific CD4 ⁺ T Cell Responses in Dengue-Endemic Areas. <i>Frontiers in Immunology</i> , 2017, 8, 1309.	4.8	77
24	Development of a novel clustering tool for linear peptide sequences. <i>Immunology</i> , 2018, 155, 331-345.	4.4	73
25	Cutting Edge: Transcriptional Profiling Reveals Multifunctional and Cytotoxic Antiviral Responses of Zika Virus-Specific CD8 ⁺ T Cells. <i>Journal of Immunology</i> , 2018, 201, 3487-3491.	0.8	70
26	Omicron-Specific Cytotoxic T-Cell Responses After a Third Dose of mRNA COVID-19 Vaccine Among Patients With Multiple Sclerosis Treated With Ocrelizumab. <i>JAMA Neurology</i> , 2022, 79, 399.	9.0	67
27	Differential T-Cell Reactivity to Endemic Coronaviruses and SARS-CoV-2 in Community and Health Care Workers. <i>Journal of Infectious Diseases</i> , 2021, 224, 70-80.	4.0	65
28	HLA tapasin independence: broader peptide repertoire and HIV control. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 28232-28238.	7.1	51
29	T Cell Responses Induced by Attenuated Flavivirus Vaccination Are Specific and Show Limited Cross-Reactivity with Other Flavivirus Species. <i>Journal of Virology</i> , 2020, 94, .	3.4	49
30	Ontogeny of the B- and T-cell response in a primary Zika virus infection of a dengue-naïve individual during the 2016 outbreak in Miami, FL. <i>PLoS Neglected Tropical Diseases</i> , 2017, 11, e0006000.	3.0	48
31	Case Report: Convalescent Plasma, a Targeted Therapy for Patients with COVID and Severe COVID-19. <i>Frontiers in Immunology</i> , 2020, 11, 596761.	4.8	45
32	A Review on T Cell Epitopes Identified Using Prediction and Cell-Mediated Immune Models for Mycobacterium tuberculosis and Bordetella pertussis. <i>Frontiers in Immunology</i> , 2018, 9, 2778.	4.8	41
33	Immune Memory in Mild COVID-19 Patients and Unexposed Donors Reveals Persistent T Cell Responses After SARS-CoV-2 Infection. <i>Frontiers in Immunology</i> , 2021, 12, 636768.	4.8	41
34	Dengue-specific CD8 ⁺ T cell subsets display specialized transcriptomic and TCR profiles. <i>Journal of Clinical Investigation</i> , 2019, 129, 1727-1741.	8.2	41
35	ImmunomeBrowser: a tool to aggregate and visualize complex and heterogeneous epitopes in reference proteins. <i>Bioinformatics</i> , 2018, 34, 3931-3933.	4.1	37
36	Characterization of Magnitude and Antigen Specificity of HLA-DP, DQ, and DRB3/4/5 Restricted DENV-Specific CD4 ⁺ T Cell Responses. <i>Frontiers in Immunology</i> , 2019, 10, 1568.	4.8	35

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37	Molecular Signatures of Dengue Virus-Specific IL-10/IFN- γ Co-producing CD4 ⁺ T Cells and Their Association with Dengue Disease. <i>Cell Reports</i> , 2019, 29, 4482-4495.e4.	6.4	35
38	Heterogeneity of human anti-viral immunity shaped by virus, tissue, age, and sex. <i>Cell Reports</i> , 2021, 37, 110071.	6.4	34
39	Two Is Better Than One: Evidence for T-Cell Cross-Protection Between Dengue and Zika and Implications on Vaccine Design. <i>Frontiers in Immunology</i> , 2020, 11, 517.	4.8	31
40	Single-Cell Transcriptomic Analysis of SARS-CoV-2 Reactive CD4 ⁺ T Cells. <i>SSRN Electronic Journal</i> , 2020, , 3641939.	0.4	31
41	Development of a T cell-based immunodiagnostic system to effectively distinguish SARS-CoV-2 infection and COVID-19 vaccination status. <i>Cell Host and Microbe</i> , 2022, 30, 388-399.e3.	11.0	26
42	Patterns of Cellular Immunity Associated with Experimental Infection with rDEN2 γ 30 (Tonga/74) Support Its Suitability as a Human Dengue Virus Challenge Strain. <i>Journal of Virology</i> , 2017, 91, .	3.4	24
43	Activation of mTORC1 at late endosomes misdirects T cell fate decision in older individuals. <i>Science Immunology</i> , 2021, 6, .	11.9	22
44	Evolution of the innate and adaptive immune response in women with acute Zika virus infection. <i>Nature Microbiology</i> , 2020, 5, 76-83.	13.3	20
45	Major Histocompatibility Complex Binding, Eluted Ligands, and Immunogenicity: Benchmark Testing and Predictions. <i>Frontiers in Immunology</i> , 2019, 10, 3151.	4.8	20
46	Development of a strategy and computational application to select candidate protein analogues with reduced HLA binding and immunogenicity. <i>Immunology</i> , 2018, 153, 118-132.	4.4	19
47	Transcriptomic immune profiles of human flavivirus-specific T cell responses. <i>Immunology</i> , 2020, 160, 3-9.	4.4	18
48	Identification and Characterization of CD4 ⁺ T Cell Epitopes after Shingrix Vaccination. <i>Journal of Virology</i> , 2020, 94, .	3.4	18
49	Hepatitis E Virus Circulation in Italy: Phylogenetic and Evolutionary Analysis. <i>Hepatitis Monthly</i> , 2016, 16, e31951.	0.2	18
50	Characterization of SARS-CoV-2 and common cold coronavirus-specific T cell responses in MIS and Kawasaki disease children. <i>European Journal of Immunology</i> , 2022, 52, 123-137.	2.9	17
51	Limited induction of SARS-CoV-2-specific T cell responses in children with multisystem inflammatory syndrome compared with COVID-19. <i>JCI Insight</i> , 2022, 7, .	5.0	17
52	Persistence of Varicella-Zoster Virus-Specific Plasma Cells in Adult Human Bone Marrow following Childhood Vaccination. <i>Journal of Virology</i> , 2020, 94, .	3.4	15
53	Ancestral SARS-CoV-2-specific T cells cross-recognize Omicron. <i>Nature Medicine</i> , 0, , .	30.7	14
54	Role of HLA-B β -3 domain amino acid position 194 in HIV disease progression. <i>Molecular Immunology</i> , 2013, 53, 410-413.	2.2	12

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55	Molecular epidemiology and phylogenetic analysis of Hepatitis B virus in a group of migrants in Italy. <i>BMC Infectious Diseases</i> , 2015, 15, 287.	2.9	12
56	Genetic diversity in Ebola virus: Phylogenetic and in silico structural studies of Ebola viral proteins. <i>Asian Pacific Journal of Tropical Medicine</i> , 2016, 9, 337-343.	0.8	11
57	A survey of known immune epitopes in the enteroviruses strains associated with acute flaccid myelitis. <i>Human Immunology</i> , 2019, 80, 923-929.	2.4	11
58	Pre-existing T Cell Memory against Zika Virus. <i>Journal of Virology</i> , 2021, 95, .	3.4	11
59	High Frequencies of Functional Virus-Specific CD4+ T Cells in SARS-CoV-2 Subjects With Olfactory and Taste Disorders. <i>Frontiers in Immunology</i> , 2021, 12, 748881.	4.8	11
60	Immunotherapy with an HIV-DNA Vaccine in Children and Adults. <i>Vaccines</i> , 2014, 2, 563-580.	4.4	10
61	Sequence-based HLA-A, B, C, DP, DQ, and DR typing of 496 adults from San Diego, California, USA. <i>Human Immunology</i> , 2018, 79, 821-822.	2.4	10
62	Characterization and epitope identification of the T cell response in non-allergic individuals exposed to mouse allergen. <i>World Allergy Organization Journal</i> , 2019, 12, 100026.	3.5	10
63	A novel scoring system for TIGIT expression in classic Hodgkin lymphoma. <i>Scientific Reports</i> , 2021, 11, 7059.	3.3	10
64	Observations and perspectives on adaptive immunity to SARS-CoV-2. <i>Clinical Infectious Diseases</i> , 2022, , .	5.8	10
65	T Cells in Multisystem Inflammatory Syndrome in Children (MIS-C) Have a Predominant CD4+ T Helper Response to SARS-CoV-2 Peptides and Numerous Virus-Specific CD4 ⁺ CD8 ⁺ Double-Negative T Cells. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7219.	4.1	10
66	Balanced Cellular and Humoral Immune Responses Targeting Multiple Antigens in Adults Receiving a Quadrivalent Inactivated Influenza Vaccine. <i>Vaccines</i> , 2021, 9, 426.	4.4	9
67	Profiling Human Cytomegalovirus-Specific T Cell Responses Reveals Novel Immunogenic Open Reading Frames. <i>Journal of Virology</i> , 2021, 95, e0094021.	3.4	9
68	Sequence-based HLA-A, B, C, DP, DQ, and DR typing of 339 adults from Managua, Nicaragua. <i>Human Immunology</i> , 2018, 79, 1-2.	2.4	8
69	SARS-CoV-2-specific T cell responses and immune regulation in infected pregnant women. <i>Journal of Reproductive Immunology</i> , 2022, 149, 103464.	1.9	8
70	A Population of CD4+CD8+ Double-Positive T Cells Associated with Risk of Plasma Leakage in Dengue Viral Infection. <i>Viruses</i> , 2022, 14, 90.	3.3	8
71	Preserved SARS-CoV-2 Vaccine Cell-Mediated Immunogenicity in Patients With Inflammatory Bowel Disease on Immune-Modulating Therapies. <i>Clinical and Translational Gastroenterology</i> , 2022, 13, e00484.	2.5	8
72	Amino acid mutations in Ebola virus glycoprotein of the 2014 epidemic. <i>Journal of Medical Virology</i> , 2015, 87, 893-898.	5.0	7

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73	PD-1/PD-L1 expression in extra-medullary lesions of multiple myeloma. <i>Leukemia Research</i> , 2016, 49, 98-101.	0.8	7
74	Sequence-based HLA-A, B, C, DP, DQ, and DR typing of 714 adults from Colombo, Sri Lanka. <i>Human Immunology</i> , 2018, 79, 87-88.	2.4	7
75	Sequence-based HLA-A, B, C, DP, DQ, and DR typing of 159 individuals from the Worcester region of the Western Cape province of South Africa. <i>Human Immunology</i> , 2018, 79, 143-144.	2.4	7
76	Immunoinformatic Docking Approach for the Analysis of KIR3DL1/HLA-B Interaction. <i>BioMed Research International</i> , 2013, 2013, 1-5.	1.9	6
77	Trans-ancestral fine-mapping of MHC reveals key amino acids associated with spontaneous clearance of hepatitis C in HLA-DQ1 ²¹ . <i>American Journal of Human Genetics</i> , 2022, 109, 299-310.	6.2	6
78	Role of individual's T-cell immunome in controlling HIV progression. <i>Immunology</i> , 2014, 143, 631-639.	4.4	5
79	Key role of human leukocyte antigen in modulating human immunodeficiency virus progression: An overview of the possible applications. <i>World Journal of Virology</i> , 2015, 4, 124.	2.9	5
80	Phylogenesis and homology modeling in Zika virus epidemic: food for thought. <i>Pathogens and Global Health</i> , 2016, 110, 269-274.	2.3	5
81	Conserved epitopes with high HLA-I population coverage are targets of CD8+ T cells associated with high IFN- γ responses against all dengue virus serotypes. <i>Scientific Reports</i> , 2020, 10, 20497.	3.3	5
82	PopCover-2.0. Improved Selection of Peptide Sets With Optimal HLA and Pathogen Diversity Coverage. <i>Frontiers in Immunology</i> , 2021, 12, 728936.	4.8	5
83	Evaluation of the Expression of CCR5 and CX3CR1 Receptors and Correlation with the Functionality of T Cells in Women infected with ZIKV during Pregnancy. <i>Viruses</i> , 2021, 13, 191.	3.3	2
84	Structural Differences in KIR3DL1 and LILRB1 Interaction with HLA-B and the Loading Peptide Polymorphisms: <i>In Silico</i> Evidences. <i>Computational Biology Journal</i> , 2015, 2015, 1-10.	0.6	1
85	Pan-genomic and immunomic identification of novel <i>Mycobacterium tuberculosis</i> antigens for TB diagnosis. , 2015, , .		0
86	B cells modulate mouse allergen-specific T cells in nonallergic laboratory animal-care workers. <i>JCI Insight</i> , 2021, 6, .	5.0	0